

Waste Stream: NRF-618-8

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
H-3	T	6.448E-03	Ci	1994	1994	N	N				1.5200E-02
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
I-129	T	1.677E-06	Ci	1994	1994	N	N				6.0900E-06
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
MN-54	T	2.723E+02	Ci	1994	1994	N	N				1.1466E+03
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
NB-94	T	1.503E+01	Ci	1994	1994	N	N				1.5029E+01
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
NB-95	T	3.833E+01	Ci	1994	1994	N	N				9.0195E+01
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
NI-59	T	1.689E+02	Ci	1994	1994	N	N				1.6890E+02
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											

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Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
NI-63	T	2.219E+04	Ci	1994	1994	N	N				5.1934E+04
						Basis for Uncertainty: See additional information Physical Form: Unknown					
RU-106	T	2.484E-02	Ci	1994	1994	N	N				2.4837E-02
						Basis for Uncertainty: See additional information Physical Form: Unknown					
SB-125	T	4.266E+02	Ci	1994	1994	N	N				4.2660E+02
						Basis for Uncertainty: See additional information Physical Form: Unknown					
SN-113	T	5.290E-04	Ci	1994	1994	N	N				5.2900E-04
						Basis for Uncertainty: See additional information Physical Form: Unknown					
SR-90	T	8.990E-03	Ci	1994	1994	N	N				2.1576E-02
						Basis for Uncertainty: See additional information Physical Form: Unknown					
TA-182	T	1.310E-02	Ci	1994	1994	N	N				1.3100E-02
						Basis for Uncertainty: See additional information Physical Form: Unknown					

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Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
TC-99	T	3.717E-04	Ci	1994	1994	N	N				8.4960E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
Y-90	T	4.199E-02	Ci	1994	1994	N	N				1.0078E-01
Basis for Uncertainty: See additional information Physical Form: Unknown											
ZR-95	T	1.723E+01	Ci	1994	1994	N	N				1.7234E+01
Basis for Uncertainty: See additional information Physical Form: Unknown											
AG-110M	T	2.114E-04	Ci	1995	1995	N	N				2.1140E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
AM-241	T	1.652E-03	Ci	1995	1995	N	N				1.6520E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
C-14	T	2.466E+00	Ci	1995	1995	N	N				6.0380E+00
Basis for Uncertainty: See additional information Physical Form: Unknown											

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Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
CE-144	T	1.346E-02	Ci	1995	1995	N	N				1.3459E-02
Basis for Uncertainty: See additional information Physical Form: Unknown Chemical Form: Unknown											
CL-36	T	1.589E-02	Ci	1995	1995	N	N				1.5887E-02
Basis for Uncertainty: See additional information Physical Form: Unknown Chemical Form: Unknown											
CM-244	T	7.249E-03	Ci	1995	1995	N	N				7.2487E-03
Basis for Uncertainty: See additional information Physical Form: Unknown Chemical Form: Unknown											
CO-57	T	2.602E+01	Ci	1995	1995	N	N				2.6025E+01
Basis for Uncertainty: See additional information Physical Form: Unknown Chemical Form: Unknown											
CO-58	T	9.078E-01	Ci	1995	1995	N	N				2.1787E+00
Basis for Uncertainty: See additional information Physical Form: Unknown Chemical Form: Unknown											
CO-60	T	2.978E+03	Ci	1995	1995	N	N				7.0905E+03
Basis for Uncertainty: See additional information Physical Form: Unknown Chemical Form: Unknown											

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Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
CR-51	T	1.897E+01	Ci	1995	1995	N	N			4.4635E+01	
Basis for Uncertainty: See additional information Physical Form: Unknown											
CS-134	T	1.731E-01	Ci	1995	1995	N	N			1.7307E-01	
Basis for Uncertainty: See additional information Physical Form: Unknown											
CS-137	T	7.770E-02	Ci	1995	1995	N	N			1.7093E-01	
Basis for Uncertainty: See additional information Physical Form: Unknown											
EU-152	T	1.657E-02	Ci	1995	1995	N	N			1.6571E-02	
Basis for Uncertainty: See additional information Physical Form: Unknown											
EU-154	T	1.567E+01	Ci	1995	1995	N	N			1.5669E+01	
Basis for Uncertainty: See additional information Physical Form: Unknown											
EU-155	T	6.489E+00	Ci	1995	1995	N	N			6.4888E+00	
Basis for Uncertainty: See additional information Physical Form: Unknown											

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Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Num. of Samples Y/N*	Std Dev	Minimum Value	Maximum Value
FE-55	T	3.261E+03	Ci	1995	1995	N	N			7.8264E+03
Basis for Uncertainty: See additional information Physical Form: Unknown										
FE-59	T	4.245E-03	Ci	1995	1995	N	N			4.2446E-03
Basis for Uncertainty: See additional information Physical Form: Unknown										
H-3	T	1.204E+00	Ci	1995	1995	N	N			2.8380E+00
Basis for Uncertainty: See additional information Physical Form: Unknown										
I-129	T	1.714E-06	Ci	1995	1995	N	N			6.2300E-06
Basis for Uncertainty: See additional information Physical Form: Unknown										
MN-54	T	7.003E+00	Ci	1995	1995	N	N			2.9486E+01
Basis for Uncertainty: See additional information Physical Form: Unknown										
NB-94	T	1.073E-01	Ci	1995	1995	N	N			1.0730E-01
Basis for Uncertainty: See additional information Physical Form: Unknown										

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Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
NB-95	T	3.322E+00	Ci	1995	1995	N	N				7.8155E+00
Basis for Uncertainty: See additional information Physical Form: Unknown											
NI-59	T	9.323E+01	Ci	1995	1995	N	N				9.3230E+01
Basis for Uncertainty: See additional information Physical Form: Unknown											
NI-63	T	1.097E+04	Ci	1995	1995	N	N				2.5674E+04
Basis for Uncertainty: See additional information Physical Form: Unknown											
PU-238	T	5.177E-03	Ci	1995	1995	N	N				5.1767E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
PU-239	T	2.616E-03	Ci	1995	1995	N	N				2.6160E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
PU-240	T	1.097E-03	Ci	1995	1995	N	N				1.0969E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											



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Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
TC-99	T	3.881E-03	Ci	1995	1995	N	N				8.8702E-03
Basis for Uncertainty: See additional information Physical Form: Unknown Chemical Form: Unknown											
Y-90	T	4.387E-02	Ci	1995	1995	N	N				1.0529E-01
Basis for Uncertainty: See additional information Physical Form: Unknown Chemical Form: Unknown											
ZR-95	T	1.548E+00	Ci	1995	1995	N	N				1.5477E+00
Basis for Uncertainty: See additional information Physical Form: Unknown Chemical Form: Unknown											
AG-110M	T	8.910E-05	Ci	1996	1996	N	N				8.9100E-05
Basis for Uncertainty: See additional information Physical Form: Unknown Chemical Form: Unknown											
AM-241	T	9.970E-03	Ci	1996	1996	N	N				9.9702E-03
Basis for Uncertainty: See additional information Physical Form: Unknown Chemical Form: Unknown											
C-14	T	2.223E+00	Ci	1996	1996	N	N				5.4448E+00
Basis for Uncertainty: See additional information Physical Form: Unknown Chemical Form: Unknown											

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Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
CE-144	T	4.422E-02	Ci	1996	1996	N	N				4.4217E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
CL-36	T	1.392E-02	Ci	1996	1996	N	N				1.3916E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
CM-244	T	5.580E-03	Ci	1996	1996	N	N				5.5804E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
CO-57	T	2.688E+01	Ci	1996	1996	N	N				2.6883E+01
Basis for Uncertainty: See additional information Physical Form: Unknown											
CO-58	T	5.179E+01	Ci	1996	1996	N	N				1.2429E+02
Basis for Uncertainty: See additional information Physical Form: Unknown											
CO-60	T	2.544E+03	Ci	1996	1996	N	N				6.0578E+03
Basis for Uncertainty: See additional information Physical Form: Unknown											

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Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
CR-51	T	1.181E+01	Ci	1996	1996	N	N				2.7800E+01
Basis for Uncertainty: See additional information Physical Form: Unknown											
CS-134	T	2.858E-01	Ci	1996	1996	N	N				2.8579E-01
Basis for Uncertainty: See additional information Physical Form: Unknown											
CS-137	T	9.295E-02	Ci	1996	1996	N	N				2.0449E-01
Basis for Uncertainty: See additional information Physical Form: Unknown											
EU-152	T	4.444E-02	Ci	1996	1996	N	N				4.4439E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
EU-154	T	1.980E+01	Ci	1996	1996	N	N				1.9797E+01
Basis for Uncertainty: See additional information Physical Form: Unknown											
EU-155	T	6.774E+00	Ci	1996	1996	N	N				6.7739E+00
Basis for Uncertainty: See additional information Physical Form: Unknown											

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Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
FE-55	T	2.922E+03	Ci	1996	1996	N	N				7.0128E+03
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
FE-59	T	1.651E-01	Ci	1996	1996	N	N				1.6511E-01
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
H-3	T	1.441E+00	Ci	1996	1996	N	N				3.3957E+00
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
I-129	T	1.752E-06	Ci	1996	1996	N	N				6.3700E-06
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
MN-54	T	1.012E+01	Ci	1996	1996	N	N				4.2610E+01
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
NB-94	T	1.110E-01	Ci	1996	1996	N	N				1.1100E-01
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											

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Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
NB-95	T	4.218E+01	Ci	1996	1996	N	N				9.9238E+01
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
NI-59	T	7.003E+01	Ci	1996	1996	N	N				7.0030E+01
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
NI-63	T	8.204E+03	Ci	1996	1996	N	N				1.9201E+04
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
PU-238	T	6.251E-03	Ci	1996	1996	N	N				6.2509E-03
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
PU-239	T	2.015E-03	Ci	1996	1996	N	N				2.0150E-03
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
PU-240	T	6.399E-04	Ci	1996	1996	N	N				6.3993E-04
Basis for Uncertainty: See additional information											
Physical Form: Unknown											

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Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
PU-241	T	1.393E-01	Ci	1996	1996	N	N				1.3933E-01
						Basis for Uncertainty: See additional information Physical Form: Unknown					
RU-106	T	5.574E-02	Ci	1996	1996	N	N				5.5745E-02
						Basis for Uncertainty: See additional information Physical Form: Unknown					
SB-124	T	4.158E-02	Ci	1996	1996	N	N				4.1580E-02
						Basis for Uncertainty: See additional information Physical Form: Unknown					
SB-125	T	1.012E+02	Ci	1996	1996	N	N				1.0124E+02
						Basis for Uncertainty: See additional information Physical Form: Unknown					
SN-113	T	3.034E+00	Ci	1996	1996	N	N				3.0344E+00
						Basis for Uncertainty: See additional information Physical Form: Unknown					
SR-89	T	1.386E-02	Ci	1996	1996	N	N				1.3857E-02
						Basis for Uncertainty: See additional information Physical Form: Unknown					

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Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
SR-90	T	5.086E-02	Ci	1996	1996	N	N				1.2206E-01
Basis for Uncertainty: See additional information Physical Form: Unknown											
TA-182	T	8.388E+01	Ci	1996	1996	N	N				8.3878E+01
Basis for Uncertainty: See additional information Physical Form: Unknown											
TC-99	T	2.163E-01	Ci	1996	1996	N	N				4.9444E-01
Basis for Uncertainty: See additional information Physical Form: Unknown											
Y-90	T	5.086E-02	Ci	1996	1996	N	N				1.2206E-01
Basis for Uncertainty: See additional information Physical Form: Unknown											
ZR-95	T	1.530E+01	Ci	1996	1996	N	N				1.5299E+01
Basis for Uncertainty: See additional information Physical Form: Unknown											
AG-110M	T	3.420E-04	Ci	1997	1997	N	N				3.4200E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											

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Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Waste Gen. Forecast used? Y/N**	Num. of Samples	Std Dev	Minimum Value	Maximum Value
AM-241	T	1.635E-02	Ci	1997	1997	N	N				1.6353E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
C-14	T	1.838E+00	Ci	1997	1997	N	N				4.5005E+00
Basis for Uncertainty: See additional information Physical Form: Unknown											
CE-144	T	5.424E-03	Ci	1997	1997	N	N				5.4240E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
CL-36	T	1.196E-02	Ci	1997	1997	N	N				1.1963E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
CM-244	T	1.066E-02	Ci	1997	1997	N	N				1.0662E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
CO-57	T	2.513E+01	Ci	1997	1997	N	N				2.5128E+01
Basis for Uncertainty: See additional information Physical Form: Unknown											

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Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
CO-58	T	2.443E+02	Ci	1997	1997	N	N				5.8628E+02
Basis for Uncertainty: See additional information Physical Form: Unknown											
CO-60	T	2.060E+03	Ci	1997	1997	N	N				4.9036E+03
Basis for Uncertainty: See additional information Physical Form: Unknown											
CR-51	T	3.131E+01	Ci	1997	1997	N	N				7.3682E+01
Basis for Uncertainty: See additional information Physical Form: Unknown											
CS-134	T	1.217E-01	Ci	1997	1997	N	N				1.2173E-01
Basis for Uncertainty: See additional information Physical Form: Unknown											
CS-137	T	6.123E-02	Ci	1997	1997	N	N				1.3471E-01
Basis for Uncertainty: See additional information Physical Form: Unknown											
EU-152	T	2.676E-02	Ci	1997	1997	N	N				2.6760E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											

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Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
EU-154	T	8.292E+00	Ci	1997	1997	N	N				8.2925E+00
Basis for Uncertainty: See additional information Physical Form: Unknown											
EU-155	T	3.462E+00	Ci	1997	1997	N	N				3.4622E+00
Basis for Uncertainty: See additional information Physical Form: Unknown											
FE-55	T	2.189E+03	Ci	1997	1997	N	N				5.2538E+03
Basis for Uncertainty: See additional information Physical Form: Unknown											
FE-59	T	2.010E-03	Ci	1997	1997	N	N				2.0100E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
H-3	T	1.257E+00	Ci	1997	1997	N	N				2.9622E+00
Basis for Uncertainty: See additional information Physical Form: Unknown											
I-129	T	6.288E-07	Ci	1997	1997	N	N				2.2800E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											

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Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
MN-54	T	5.770E+01	Ci	1997	1997	N	N				2.4296E+02
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
NB-94	T	1.262E-01	Ci	1997	1997	N	N				1.2617E-01
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
NB-95	T	1.042E+02	Ci	1997	1997	N	N				2.4522E+02
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
NI-59	T	6.142E+01	Ci	1997	1997	N	N				6.1420E+01
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
NI-63	T	7.143E+03	Ci	1997	1997	N	N				1.6718E+04
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
PU-238	T	1.206E-02	Ci	1997	1997	N	N				1.2061E-02
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											

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Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
PU-239	T	3.850E-03	Ci	1997	1997	N	N				3.8500E-03
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
PU-240	T	1.969E-03	Ci	1997	1997	N	N				1.9692E-03
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
PU-241	T	1.518E-01	Ci	1997	1997	N	N				1.5181E-01
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
RU-106	T	2.114E-02	Ci	1997	1997	N	N				2.1142E-02
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
SB-124	T	9.920E-04	Ci	1997	1997	N	N				9.9200E-04
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
SB-125	T	7.802E+01	Ci	1997	1997	N	N				7.8020E+01
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											

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Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
SN-113	T	2.150E-01	Ci	1997	1997	N	N				2.1500E-01
Basis for Uncertainty: See additional information Physical Form: Unknown											
SR-89	T	2.110E-04	Ci	1997	1997	N	N				2.1100E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
SR-90	T	3.044E-02	Ci	1997	1997	N	N				7.3056E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
TA-182	T	4.849E+01	Ci	1997	1997	N	N				4.8491E+01
Basis for Uncertainty: See additional information Physical Form: Unknown											
TC-99	T	3.665E-03	Ci	1997	1997	N	N				8.3769E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-234	T	1.771E-06	Ci	1997	1997	N	N				1.7700E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											

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Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
U-238	T	1.771E-06	Ci	1997	1997	N	N				1.7700E-06
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Y-90	T	3.188E-02	Ci	1997	1997	N	N				7.6509E-02
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
ZR-95	T	8.021E+00	Ci	1997	1997	N	N				8.0210E+00
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
C-14	T	2.986E-01	Ci	1998	1998	N	N				7.3126E-01
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
CL-36	T	5.788E-03	Ci	1998	1998	N	N				5.7884E-03
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
CO-57	T	1.252E+01	Ci	1998	1998	N	N				1.2516E+01
Basis for Uncertainty: See additional information											
Physical Form: Unknown											

Waste Stream: NRF-618-8

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
CO-58	T	6.679E+02	Ci	1998	1998	N	N				1.6030E+03
Basis for Uncertainty: See additional information Physical Form: Unknown											
CO-60	T	1.026E+03	Ci	1998	1998	N	N				2.4424E+03
Basis for Uncertainty: See additional information Physical Form: Unknown											
CR-51	T	1.838E+01	Ci	1998	1998	N	N				4.3249E+01
Basis for Uncertainty: See additional information Physical Form: Unknown											
FE-55	T	1.150E+03	Ci	1998	1998	N	N				2.7590E+03
Basis for Uncertainty: See additional information Physical Form: Unknown											
H-3	T	2.110E+00	Ci	1998	1998	N	N				4.9724E+00
Basis for Uncertainty: See additional information Physical Form: Unknown											
I-129	T	1.977E-08	Ci	1998	1998	N	N				7.0000E-08
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: NRF-618-8

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
MN-54	T	8.112E+01	Ci	1998	1998	N	N				3.4155E+02
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
NB-94	T	1.199E-01	Ci	1998	1998	N	N				1.1991E-01
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
NB-95	T	1.339E+02	Ci	1998	1998	N	N				3.1498E+02
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
NI-59	T	1.627E+01	Ci	1998	1998	N	N				1.6268E+01
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
NI-63	T	1.952E+03	Ci	1998	1998	N	N				4.5692E+03
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
PU-241	T	3.383E-02	Ci	1998	1998	N	N				3.3830E-02
Basis for Uncertainty: See additional information											
Physical Form: Unknown											

Waste Stream: NRF-618-8

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
SB-125	T	1.238E+02	Ci	1998	1998	N	N				1.2379E+02
						Basis for Uncertainty: See additional information					
						Physical Form: Unknown					
SR-90	T	2.404E-02	Ci	1998	1998	N	N				5.7703E-02
						Basis for Uncertainty: See additional information					
						Physical Form: Unknown					
TA-182	T	1.820E+02	Ci	1998	1998	N	N				1.8202E+02
						Basis for Uncertainty: See additional information					
						Physical Form: Unknown					
TC-99	T	2.568E-04	Ci	1998	1998	N	N				5.8704E-04
						Basis for Uncertainty: See additional information					
						Physical Form: Unknown					
ZR-95	T	4.181E+01	Ci	1998	1998	N	N				4.1810E+01
						Basis for Uncertainty: See additional information					
						Physical Form: Unknown					
C-14	T	1.406E-01	Ci	1999	1999	N	N				3.4433E-01
						Basis for Uncertainty: See additional information					
						Physical Form: Unknown					

Waste Stream: NRF-618-8

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
CL-36	T	2.442E-03	Ci	1999	1999	N	N				2.4417E-03
Basis for Uncertainty: See additional information Physical Form: Unknown Chemical Form: Unknown											
CM-244	T	8.310E-03	Ci	1999	1999	N	N				8.3100E-03
Basis for Uncertainty: See additional information Physical Form: Unknown Chemical Form: Unknown											
CO-57	T	5.279E+00	Ci	1999	1999	N	N				5.2793E+00
Basis for Uncertainty: See additional information Physical Form: Unknown Chemical Form: Unknown											
CO-58	T	4.118E+02	Ci	1999	1999	N	N				9.8832E+02
Basis for Uncertainty: See additional information Physical Form: Unknown Chemical Form: Unknown											
CO-60	T	4.327E+02	Ci	1999	1999	N	N				1.0302E+03
Basis for Uncertainty: See additional information Physical Form: Unknown Chemical Form: Unknown											
CR-51	T	7.753E+00	Ci	1999	1999	N	N				1.8243E+01
Basis for Uncertainty: See additional information Physical Form: Unknown Chemical Form: Unknown											

Waste Stream: NRF-618-8

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
CS-134	T	7.808E-02	Ci	1999	1999	N	N				7.8082E-02
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
CS-137	T	4.426E-02	Ci	1999	1999	N	N				9.7372E-02
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
EU-152	T	2.464E-02	Ci	1999	1999	N	N				2.4637E-02
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
EU-154	T	3.532E+00	Ci	1999	1999	N	N				3.5319E+00
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
EU-155	T	2.281E+00	Ci	1999	1999	N	N				2.2810E+00
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
FE-55	T	5.182E+02	Ci	1999	1999	N	N				1.2437E+03
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											

Waste Stream: NRF-618-8

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
H-3	T	5.706E-01	Ci	1999	1999	N	N				1.3450E+00
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
I-129	T	1.916E-08	Ci	1999	1999	N	N				6.0000E-08
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
MN-54	T	3.784E+01	Ci	1999	1999	N	N				1.5932E+02
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
NB-94	T	1.235E-02	Ci	1999	1999	N	N				1.2350E-02
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
NB-95	T	5.929E+01	Ci	1999	1999	N	N				1.3950E+02
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
NI-59	T	5.917E+00	Ci	1999	1999	N	N				5.9170E+00
Basis for Uncertainty: See additional information											
Physical Form: Unknown											

Waste Stream: NRF-618-8

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
NI-63	T	7.187E+02	Ci	1999	1999	N	N				1.6821E+03
						Basis for Uncertainty: See additional information Physical Form: Unknown					
PU-241	T	1.972E-02	Ci	1999	1999	N	N				1.9720E-02
						Basis for Uncertainty: See additional information Physical Form: Unknown					
RU-106	T	1.501E-02	Ci	1999	1999	N	N				1.5009E-02
						Basis for Uncertainty: See additional information Physical Form: Unknown					
SB-125	T	6.730E+01	Ci	1999	1999	N	N				6.7300E+01
						Basis for Uncertainty: See additional information Physical Form: Unknown					
SR-90	T	3.450E-02	Ci	1999	1999	N	N				8.2800E-02
						Basis for Uncertainty: See additional information Physical Form: Unknown					
TA-182	T	7.095E+01	Ci	1999	1999	N	N				7.0950E+01
						Basis for Uncertainty: See additional information Physical Form: Unknown					

Waste Stream: NRF-618-8

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
TC-99	T	2.397E-04	Ci	1999	1999	N	N				5.4788E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
Y-90	T	2.435E-02	Ci	1999	1999	N	N				5.8448E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
ZR-95	T	2.604E+01	Ci	1999	1999	N	N				2.6040E+01
Basis for Uncertainty: See additional information Physical Form: Unknown											

Footnotes:

\* and standard deviation in the next column. If not, mark N and give minimum value and maximum values in the next column

\*\* For the projected waste streams, mark Y if forecast document was used. If not, mark N. This column is not used for the recent or historical waste streams.

## PART A - GENERAL INFORMATION

- (1) Preparer: JKM  
 (3,4,5,6) Waste Stream: NRF-618-9 (2) Date Prepared: 01/31/01  
 Concrete and concrete residue generated from the decommissioning of ECF hotcells and prototypes. Concrete and metal surfaces contain PCB's in the form of dried paint.
- (7) Type of Radioactive Waste: Low level | Non-radioactive | Transuranic or suspect transuranic: L  
 (8) Actual years disposed of at SDA: Starting year: 1997 Ending year: 1999 Annual or Total over all years: T
- (9) Waste stream volume: 805.00000 Units\*: M Container or Waste volume: C  
 (10) Comments:

## PART B - WASTE STREAM CHARACTERISTICS

- (1) General physical form: 41 10  
 (2) Details on physical form:
- (3) Chemical form:  
 (4) Inner packaging: Plastic Bag | Plastic Liner | Metal Liner | None | Other | Unknown: PL O - see comments below  
 (5) Waste container type: BXW  
 (6) Other characteristics of interest:  
 (7) Comments: 1. 10 - other is carbon and stainless steel.

5. Waste container types also O. O - other is double wrapped, herculite or equivalent wrapped, sewn, and heat sealed and disposed "as is".

PART C - NONRADIOLOGICAL CONTAMINANTS - Additional information or explanations:  
 Basis for uncertainty is discussed in document text for NRF.

PART D - RADIOLOGICAL CONTAMINANTS - Additional information or explanations:

Basis for uncertainty is discussed in document text for NRF.



Waste Stream: NRF-618-9

CAS Number	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
1332-21-4	T	4.337E+05	Gm	1999	1999	N	N			4.3375E+05	8.6750E+05

Asbestos

Basis for Uncertainty: See additional information.  
Physical Form: Unknown

Chemical Form: Unknown

Footnotes:

- \* If sample data are available, mark Y in the column titled "Samples?" and provide the number of samples in the next column and standard deviation in the next column. If not, mark N and give minimum value and maximum value.
- \*\* For the projected waste streams, mark Y if forecast document was used. If not, mark N. This column is not used for the recent or historical waste streams.

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PART D - RADIOLOGICAL CONTAMINANTS

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Waste Stream: NRF-618-9

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
AM-241	T	5.000E-10	Ci	1997	1997	N	N				
Basis for Uncertainty: See additional information Physical Form: Unknown											
C-14	T	7.884E-04	Ci	1997	1997	N	N				1.9308E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
CL-36	T	1.110E-07	Ci	1997	1997	N	N				1.1000E-07
Basis for Uncertainty: See additional information Physical Form: Unknown											
CO-57	T	2.401E-04	Ci	1997	1997	N	N				2.4007E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
CO-58	T	4.935E-03	Ci	1997	1997	N	N				1.1844E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
CO-60	T	1.968E-02	Ci	1997	1997	N	N				4.6851E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: NRF-618-9

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
CR-51	T	3.526E-04	Ci	1997	1997	N	N				8.2962E-04
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
FE-55	T	3.951E-02	Ci	1997	1997	N	N				9.4835E-02
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
H-3	T	4.848E-05	Ci	1997	1997	N	N				1.1427E-04
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
I-129	T	8.800E-04	Ci	1997	1997	N	N				3.2000E-03
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
MN-54	T	7.882E-04	Ci	1997	1997	N	N				3.3189E-03
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
NB-94	T	1.378E-04	Ci	1997	1997	N	N				1.3780E-04
Basis for Uncertainty: See additional information											
Physical Form: Unknown											

Waste Stream: NRF-618-9

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
NB-95	T	2.151E-03	Ci	1997	1997	N	N				5.0604E-03
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
NI-59	T	5.155E-04	Ci	1997	1997	N	N				5.1550E-04
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
NI-63	T	6.060E-02	Ci	1997	1997	N	N				1.4182E-01
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
PU-238	T	7.278E-04	Ci	1997	1997	N	N				7.2781E-04
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
SR-90	T	2.986E-02	Ci	1997	1997	N	N				7.1657E-02
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
TC-99	T	8.384E-06	Ci	1997	1997	N	N				1.9160E-05
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											

Waste Stream: NRF-618-9

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
U-232	T	9.430E-09	Ci	1997	1997	N	N				
Basis for Uncertainty: See additional information Physical Form: Unknown											
Y-90	T	3.032E-02	Ci	1997	1997	N	N				7.2782E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
ZR-95	T	1.048E-03	Ci	1997	1997	N	N				1.0484E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
AM-241	T	1.600E-09	Ci	1998	1998	N	N				
Basis for Uncertainty: See additional information Physical Form: Unknown											
C-14	T	9.661E-06	Ci	1998	1998	N	N				2.3650E-05
Basis for Uncertainty: See additional information Physical Form: Unknown											
CL-36	T	3.057E-07	Ci	1998	1998	N	N				3.0000E-07
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: NRF-618-9

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
CO-57	T	6.609E-04	Ci	1998	1998	N	N				6.6094E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
CO-58	T	1.358E-02	Ci	1998	1998	N	N				3.2606E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
CO-60	T	5.417E-02	Ci	1998	1998	N	N				1.2898E-01
Basis for Uncertainty: See additional information Physical Form: Unknown											
CR-51	T	9.707E-04	Ci	1998	1998	N	N				2.2840E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
FE-55	T	1.075E-01	Ci	1998	1998	N	N				2.5794E-01
Basis for Uncertainty: See additional information Physical Form: Unknown											
H-3	T	1.309E-04	Ci	1998	1998	N	N				3.0862E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: NRF-618-9

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
I-129	T	1.000E-10	Ci	1998	1998	N	N				
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
MN-54	T	2.170E-03	Ci	1998	1998	N	N				9.1370E-03
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
NB-94	T	1.920E-03	Ci	1998	1998	N	N				1.9196E-03
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
NB-95	T	5.955E-03	Ci	1998	1998	N	N				1.4012E-02
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
NI-59	T	8.824E-01	Ci	1998	1998	N	N				8.8242E-01
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
NI-63	T	1.044E+02	Ci	1998	1998	N	N				2.4424E+02
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											

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Waste Stream: NRF-618-9

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
PU-238	T	6.482E-06	Ci	1998	1998	N	N				6.4800E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											
SR-90	T	3.572E-04	Ci	1998	1998	N	N				8.5731E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
TC-99	T	2.125E-06	Ci	1998	1998	N	N				4.8500E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											
ZR-95	T	2.872E-03	Ci	1998	1998	N	N				2.8723E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
AM-241	T	8.352E-05	Ci	1999	1999	N	N				8.3520E-05
Basis for Uncertainty: See additional information Physical Form: Unknown											
C-14	T	7.235E-04	Ci	1999	1999	N	N				1.7719E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: NRF-618-9

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
CL-36	T	8.061E-07	Ci	1999	1999	N	N				8.0000E-07
Basis for Uncertainty: See additional information Physical Form: Unknown Chemical Form: Unknown											
CM-244	T	2.762E-05	Ci	1999	1999	N	N				2.7620E-05
Basis for Uncertainty: See additional information Physical Form: Unknown Chemical Form: Unknown											
CO-57	T	1.743E-03	Ci	1999	1999	N	N				1.7428E-03
Basis for Uncertainty: See additional information Physical Form: Unknown Chemical Form: Unknown											
CO-58	T	3.582E-02	Ci	1999	1999	N	N				8.5979E-02
Basis for Uncertainty: See additional information Physical Form: Unknown Chemical Form: Unknown											
CO-60	T	1.428E-01	Ci	1999	1999	N	N				3.4011E-01
Basis for Uncertainty: See additional information Physical Form: Unknown Chemical Form: Unknown											
CR-51	T	2.560E-03	Ci	1999	1999	N	N				6.0226E-03
Basis for Uncertainty: See additional information Physical Form: Unknown Chemical Form: Unknown											

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Waste Stream: NRF-618-9

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
CS-134	T	8.017E-02	Ci	1999	1999	N	N				8.0174E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
CS-137	T	4.545E-02	Ci	1999	1999	N	N				9.9981E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
EU-152	T	2.530E-02	Ci	1999	1999	N	N				2.5297E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
EU-154	T	3.626E+00	Ci	1999	1999	N	N				3.6266E+00
Basis for Uncertainty: See additional information Physical Form: Unknown											
EU-155	T	2.342E+00	Ci	1999	1999	N	N				2.3421E+00
Basis for Uncertainty: See additional information Physical Form: Unknown											
FE-55	T	4.014E-01	Ci	1999	1999	N	N				9.6325E-01
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: NRF-618-9

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
H-3	T	3.369E-04	Ci	1999	1999	N	N				7.9406E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
I-129	T	1.709E-07	Ci	1999	1999	N	N				6.2000E-07
Basis for Uncertainty: See additional information Physical Form: Unknown											
MN-54	T	5.722E-03	Ci	1999	1999	N	N				2.4094E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
NB-94	T	3.158E-04	Ci	1999	1999	N	N				3.1576E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
NB-95	T	1.505E-02	Ci	1999	1999	N	N				3.5404E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
NI-59	T	4.291E-03	Ci	1999	1999	N	N				4.2909E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											

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Waste Stream: NRF-618-9

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
NI-63	T	4.399E-01	Ci	1999	1999	N	N				1.0296E+00
Basis for Uncertainty: See additional information Physical Form: Unknown											
PU-238	T	6.517E-05	Ci	1999	1999	N	N				6.5160E-05
Basis for Uncertainty: See additional information Physical Form: Unknown											
PU-239	T	1.212E-05	Ci	1999	1999	N	N				1.2120E-05
Basis for Uncertainty: See additional information Physical Form: Unknown											
PU-240	T	6.209E-06	Ci	1999	1999	N	N				6.2000E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											
PU-241	T	3.234E-03	Ci	1999	1999	N	N				3.2342E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
RU-106	T	1.541E-02	Ci	1999	1999	N	N				1.5412E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: NRF-618-9

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
SB-125	T	3.993E+01	Ci	1999	1999	N	N				3.9929E+01
Basis for Uncertainty: See additional information Physical Form: Unknown Chemical Form: Unknown											
SR-90	T	2.636E-02	Ci	1999	1999	N	N				6.3278E-02
Basis for Uncertainty: See additional information Physical Form: Unknown Chemical Form: Unknown											
TC-99	T	2.489E-05	Ci	1999	1999	N	N				5.6880E-05
Basis for Uncertainty: See additional information Physical Form: Unknown Chemical Form: Unknown											
Y-90	T	2.501E-02	Ci	1999	1999	N	N				6.0033E-02
Basis for Uncertainty: See additional information Physical Form: Unknown Chemical Form: Unknown											
ZR-95	T	5.286E-03	Ci	1999	1999	N	N				5.2866E-03
Basis for Uncertainty: See additional information Physical Form: Unknown Chemical Form: Unknown											

Footnotes:

- \* and standard deviation in the next column. If not, mark N and give minimum value and maximum values in the next column
- \*\* For the projected waste streams, mark Y if forecast document was used. If not, mark N. This column is not used for the recent or historical waste streams.

## PART A - GENERAL INFORMATION

(1) Preparer: JKM (2) Date Prepared: 01/31/01  
 (3,4,5,6) Waste Stream: NRF-618-AA One time waste stream of contaminated radioactive oil solidified in Petroset.  
 (7) Type of Radioactive Waste: Low level | Non-radioactive | Transuranic or suspect transuranic: L  
 (8) Actual years disposed of at SDA: Starting year: 1995 Ending year: 1995 Annual or Total over all years: T  
 (9) Waste stream volume: 22.00000 Units\*: M Container or Waste volume: C  
 (10) Comments:

## PART B - WASTE STREAM CHARACTERISTICS

(1) General physical form: RD5  
 (2) Details on physical form:  
 (3) Chemical form:  
 (4) Inner packaging: Plastic Bag | Plastic Liner | Metal Liner | NONE | Other | Unknown: PL  
 (5) Waste container type: RDL  
 (6) Other characteristics of interest: Radioactive contaminated oil from machinery.  
 (7) Comments:

## PART C - NONRADIOLOGICAL CONTAMINANTS - Additional information or explanations:

## PART D - RADIOLOGICAL CONTAMINANTS - Additional information or explanations:

Basis for uncertainty is discussed in document text for NRF.

PART E - SOURCES OF INFORMATION AND UNCERTAINTIES

Type of source information: Generator forecasts Reports  
 RWMIS X Other database Interview  
 Sample analysis data Expert judgment Operating records  
 Other: IWTS

Details concerning source:  
 Do the estimates of contaminant quantities represent: Best estimate | Worst case | Other: B

If other than best estimate, why?:

Do the data conflict with RWMIS?: Y Where appropriate, as explained in text of document, scaling factors were applied for a better curie estimate.

Major unknowns in inventories of contaminants:  
 Key assumptions used to deal with the unknowns:

CONTINUATION

Continuation of Part: Column or Question Number or Title:

Footnotes:

\* Units: cubic feet (FT) | gallons (GL) | grams (GM) | pounds (LB) | cubic meters (M) | unknown (U)

Waste Stream: NRF-618-AA

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
C-14	T	8.263E-05	Ci	1998	1998	N	N				2.0236E-04
Basis for Uncertainty: See additional information Physical Form: Unknown Chemical Form: Unknown											
CL-36	T	3.755E-08	Ci	1998	1998	N	N				3.0000E-08
Basis for Uncertainty: See additional information Physical Form: Unknown Chemical Form: Unknown											
CO-57	T	8.118E-05	Ci	1998	1998	N	N				8.1180E-05
Basis for Uncertainty: See additional information Physical Form: Unknown Chemical Form: Unknown											
CO-58	T	1.669E-03	Ci	1998	1998	N	N				4.0050E-03
Basis for Uncertainty: See additional information Physical Form: Unknown Chemical Form: Unknown											
CO-60	T	6.654E-03	Ci	1998	1998	N	N				1.5843E-02
Basis for Uncertainty: See additional information Physical Form: Unknown Chemical Form: Unknown											
CR-51	T	1.192E-04	Ci	1998	1998	N	N				2.8053E-04
Basis for Uncertainty: See additional information Physical Form: Unknown Chemical Form: Unknown											

Waste Stream: NRF-618-AA

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
FE-55	T	1.088E-02	Ci	1998	1998	N	N				2.6106E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
I-129	T	3.300E-10	Ci	1998	1998	N	N				
Basis for Uncertainty: See additional information Physical Form: Unknown											
MN-54	T	2.178E-04	Ci	1998	1998	N	N				9.1684E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
NB-94	T	1.471E-05	Ci	1998	1998	N	N				1.4700E-05
Basis for Uncertainty: See additional information Physical Form: Unknown											
NB-95	T	6.315E-04	Ci	1998	1998	N	N				1.4859E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
NI-59	T	1.743E-04	Ci	1998	1998	N	N				1.7431E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: NRF-618-AA

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
NI-63	T	2.049E-02	Ci	1998	1998	N	N				4.7957E-02
TC-99	T	8.263E-08	Ci	1998	1998	N	N				1.8000E-07

Basis for Uncertainty: See additional information  
Physical Form: Unknown

Basis for Uncertainty: See additional information  
Physical Form: Unknown

Footnotes:

\* and standard deviation in the next column. If not, mark N and give minimum value and maximum value.es in the next column

\*\* For the projected waste streams, mark Y if forecast document was used. If not, mark N. This column is not used for the recent or historical waste streams.

**PBF**



## PART A - GENERAL INFORMATION

(1) Preparer: ML  
 (3,4,5,6) Waste Stream: PBF-613-1 Wood and Metal from WROC.  
 (7) Type of Radioactive Waste: Low level | Non-radioactive | Transuranic or suspect transuranic: L  
 (8) Actual years disposed of at SDA: Starting year: 1998 Ending year: 1998 Annual or Total over all years: T  
 (9) Waste stream volume: 3.63000 Units\*: M Container or Waste volume: C  
 (10) Comments:

## PART B - WASTE STREAM CHARACTERISTICS

(1) General physical form: 10 21  
 (2) Details on physical form:

(3) Chemical form:

(4) Inner packaging: Plastic Bag | Plastic Liner | Metal Liner | NOne | Other | Unknown:  
 (5) Waste container type: CW  
 (6) Other characteristics of interest:  
 (7) Comments: 5. CW = wooden boxes, concrete boxes, cartons, cases.

## PART C - NONRADIOLOGICAL CONTAMINANTS - Additional information or explanations:

## PART D - RADIOLOGICAL CONTAMINANTS - Additional information or explanations:

Basis for uncertainty: See document text for explanation on other generators.

PART E - SOURCES OF INFORMATION AND UNCERTAINTIES

Type of source information:	Generator forecasts	Reports
X RWMIS	Other database	Interview
Sample analysis data	Expert judgment	Operating records
	Other:	

Details concerning source:  
 Do the estimates of contaminant quantities represent: Best estimate | Worst case | Other: B

If other than best estimate, why?:

Do the data conflict with RWMIS?: N  
 Major unknowns in inventories of contaminants:  
 Key assumptions used to deal with the unknowns:

CONTINUATION  
 Continuation of Part: Column or Question Number or Title:

Footnotes:

\* Units: cubic feet (FT) | gallons (GL) | grams (GM) | pounds (LB) | cubic meters (M) | unknown (U)

Waste Stream: PBF-613-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Mum. of Samples	Std Dev	Minimum Value	Maximum Value
CO-60	T	1.000E-09	Ci	1998	1998	N	N				
Basis for Uncertainty: See additional information Physical Form: Unknown											
CS-137	T	1.000E-09	Ci	1998	1998	N	N				
Basis for Uncertainty: See additional information Physical Form: Unknown											

Footnotes:

- \* and standard deviation in the next column. If not, mark N and give minimum value and maximum values in the next column
- \*\* For the projected waste streams, mark Y if forecast document was used. If not, mark N. This column is not used for the recent or historical waste streams.

## PART A - GENERAL INFORMATION

(1) Preparer: ML (2) Date Prepared: 02/01/01  
 (3,4,5,6) Waste Stream: PBF-620-1 O-H Resin Columns PBF Low Level Waste  
 (7) Type of Radioactive Waste: Low level | Non-radioactive | Transuranic or suspect transuranic: L  
 (8) Actual years disposed of at SDA: Starting year: 1998 Ending year: 1998 Annual or Total over all years: T  
 (9) Waste stream volume: 3.62455 Units\*: M Container or Waste volume: C  
 (10) Comments:

## PART B - WASTE STREAM CHARACTERISTICS

(1) General physical form: 12 Ion exchange resin in metal containment.  
 (2) Details on physical form:

(3) Chemical form:  
 (4) Inner packaging: Plastic Bag | Plastic Liner | Metal Liner | None | Other | Unknown: ML  
 (5) Waste container type: CW  
 (6) Other characteristics of interest:  
 (7) Comments: 5. CW = Wooden boxes, concrete boxes, cartons, cases.

## PART C - NONRADIOLOGICAL CONTAMINANTS - Additional information or explanations:

## PART D - RADIOLOGICAL CONTAMINANTS - Additional information or explanations:

Basis for uncertainty: see document text for explanation in other generators.

PART E - SOURCES OF INFORMATION AND UNCERTAINTIES

Type of source information:	Generator forecasts	Reports
X RWMIS	Other database	Interview
Sample analysis data	Expert judgment	Operating records
	Other:	

Details concerning source:  
 Do the estimates of contaminant quantities represent: Best estimate | Worst case | Other: B

If other than best estimate, why?:

Do the data conflict with RWMIS?: N  
 Major unknowns in inventories of contaminants:  
 Key assumptions used to deal with the unknowns:

CONTINUATION

Continuation of Part: Column or Question Number or Title:

Footnotes:

\* Units: cubic feet (FT) | gallons (GL) | grams (GM) | pounds (LB) | cubic meters (M) | unknown (U)

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PART D - RADIOLOGICAL CONTAMINANTS

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Waste Stream: PBF-620-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
AG-110M	T	4.000E-05	Ci	1998	1998	N	N				2.4000E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
AM-241	T	5.900E-06	Ci	1998	1998	N	N				3.5400E-05
Basis for Uncertainty: See additional information Physical Form: Unknown											
CO-60	T	3.400E-04	Ci	1998	1998	N	N				6.8000E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
CS-134	T	2.200E-03	Ci	1998	1998	N	N				1.3200E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
CS-137	T	6.100E-01	Ci	1998	1998	N	N				1.2200E+00
Basis for Uncertainty: See additional information Physical Form: Unknown											
EU-152	T	4.900E-04	Ci	1998	1998	N	N				2.9400E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: PBF-620-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
EU-154	T	5.200E-05	Ci	1998	1998	N	N				3.1200E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
FE-55	T	6.900E-04	Ci	1998	1998	N	N				1.3800E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
I-129	T	1.900E-03	Ci	1998	1998	N	N				1.1400E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
NI-63	T	2.500E-02	Ci	1998	1998	N	N				5.0000E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
PU-238	T	4.100E-06	Ci	1998	1998	N	N				2.4600E-05
Basis for Uncertainty: See additional information Physical Form: Unknown											
PU-239	T	3.800E-05	Ci	1998	1998	N	N				2.2800E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: PBF-620-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
PU-240	T	3.800E-05	Ci	1998	1998	N	N				2.2800E-04
						Basis for Uncertainty: See additional information Physical Form: Unknown					
SR-90	T	5.800E-03	Ci	1998	1998	N	N				3.4800E-02
						Basis for Uncertainty: See additional information Physical Form: Unknown					
TC-99	T	1.600E-05	Ci	1998	1998	N	N				9.6000E-05
						Basis for Uncertainty: See additional information Physical Form: Unknown					
TH-230	T	1.300E-07	Ci	1998	1998	N	N				7.8000E-07
						Basis for Uncertainty: See additional information Physical Form: Unknown					
U-234	T	5.300E-06	Ci	1998	1998	N	N				5.3000E-06
						Basis for Uncertainty: See additional information Physical Form: Unknown					
U-235	T	9.500E-07	Ci	1998	1998	N	N				9.5000E-07
						Basis for Uncertainty: See additional information Physical Form: Unknown					

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PART D - RADIOLOGICAL CONTAMINANTS

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Waste Stream: PBF-620-1

Radio-nuclide	(A) Annual (T) Total	Quantity Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
ZN-65	T	4.600E-07	Ci	1998	1998	N	N			2.7600E-06

Basis for Uncertainty: See additional information  
 Physical Form: Unknown  
 Chemical Form: Unknown

Footnotes:

- \* and standard deviation in the next column. If not, mark N and give minimum value and maximum value.es in the next column
- \*\* For the projected waste streams, mark Y if forecast document was used. If not, mark N. This column is not used for the recent or historical waste streams.

PART A - GENERAL INFORMATION

(1) Preparer: ML (2) Date Prepared: 02/01/01  
 (3,4,5,6) Waste Stream: PBF-OU5-1 Evaporation Pond soil.  
 (7) Type of Radioactive Waste: Low level | Non-radioactive | Transuranic or suspect transuranic: L  
 (8) Actual years disposed of at SDA: Starting year: 1994 Ending year: 1994 Annual or Total over all years: T  
 (9) Waste stream volume: 179.19000 Units\*: M Container or Waste volume: C  
 (10) Comments:

PART B - WASTE STREAM CHARACTERISTICS

(1) General physical form: 43 41  
 (2) Details on physical form:  
 (3) Chemical form:  
 (4) Inner packaging: Plastic Bag | Plastic Liner | Metal Liner | NOne | Other | Unknown: PL  
 (5) Waste container type: PB3  
 (6) Other characteristics of interest:  
 (7) Comments:

PART C - NONRADIOLOGICAL CONTAMINANTS - Additional information or explanations:

PART D - RADIOLOGICAL CONTAMINANTS - Additional information or explanations:

Basis for uncertainty: See document text for explanation on other generators.

PART E - SOURCES OF INFORMATION AND UNCERTAINTIES

Type of source information:	Generator forecasts	Reports
X RWMIS	Other database	Interview
Sample analysis data	Expert judgment	Operating records
	Other:	

Details concerning source:  
 Do the estimates of contaminant quantities represent: Best estimate | Worst case | Other: B

If other than best estimate, why?:

Do the data conflict with RWMIS?: N  
 Major unknowns in inventories of contaminants:  
 Key assumptions used to deal with the unknowns:

CONTINUATION

Continuation of Part: Column or Question Number or Title:

Footnotes:

\* Units: cubic feet (FT) | gallons (GL) | grams (GM) | pounds (LB) | cubic meters (M) | unknown (U)

Waste Stream: PBF-OU5-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
CS-137	T	6.839E-02	Ci	1994	1994	N	N				1.3679E-01

Basis for Uncertainty: See additional information  
 Physical Form: Unknown  
 Chemical Form: Unknown

Footnotes:

- \* and standard deviation in the next column. If not, mark N and give minimum value and maximum values in the next column
- \*\* For the projected waste streams, mark Y if forecast document was used. If not, mark N. This column is not used for the recent or historical waste streams.

PART A - GENERAL INFORMATION

- (1) Preparer: ML
- (2) Date Prepared: 02/01/01
- (3,4,5,6) Waste Stream: PBF-SFD-1 Non-processable LLW from "Severe Fuel Damage Test"
- (7) Type of Radioactive Waste: Low level | Non-radioactive | Transuranic or suspect transuranic: L
- (8) Actual years disposed of at SDA: Starting year: 1997 Ending year: 1997 Annual or Total over all years: T
- (9) Waste stream volume: 25.37185 Units\*: M Container or Waste volume: C
- (10) Comments:

PART B - WASTE STREAM CHARACTERISTICS

- (1) General physical form: 21
- (2) Details on physical form:
- (3) Chemical form:
- (4) Inner packaging: Plastic Bag | Plastic Liner | Metal Liner | NONE | Other | Unknown:
- (5) Waste container type: CW
- (6) Other characteristics of interest:
- (7) Comments: 5. CW = wooden boxes, concrete boxes, cartons cases.

PART C - NONRADIOLOGICAL CONTAMINANTS - Additional information or explanations:

PART D - RADIOLOGICAL CONTAMINANTS - Additional information or explanations:

Basis for uncertainty: see document text for explanation on other generators.

PART E - SOURCES OF INFORMATION AND UNCERTAINTIES

Type of source information:	Generator forecasts	Reports
X RWMIS	Other database	Interview
Sample analysis data	Expert judgment	Operating records
	Other:	

Details concerning source:  
 Do the estimates of contaminant quantities represent: Best estimate | Worst case | Other: B

If other than best estimate, why?:

Do the data conflict with RWMIS?: N  
 Major unknowns in inventories of contaminants:  
 Key assumptions used to deal with the unknowns:

CONTINUATION

Continuation of Part: Column or Question Number or Title:

Footnotes:

\* Units: cubic feet (FT) | gallons (GL) | grams (GM) | pounds (LB) | cubic meters (M) | unknown (U)

Waste Stream: PBF-SFD-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
CO-60	T	1.055E-05	Ci	1997	1997	N	N				2.1090E-05
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
CS-137	T	5.528E-04	Ci	1997	1997	N	N				1.1055E-03
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
FE-55	T	2.620E-05	Ci	1997	1997	N	N				5.2400E-05
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
NI-63	T	6.400E-08	Ci	1997	1997	N	N				1.2000E-07
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
SR-90	T	8.400E-02	Ci	1997	1997	N	N				5.0401E-01
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
TC-99	T	7.500E-08	Ci	1997	1997	N	N				4.5000E-07
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											

## Footnotes:

- \* and standard deviation in the next column. If not, mark N and give minimum value and maximum value.es in the next column
- \*\* For the projected waste streams, mark Y if forecast document was used. If not, mark N. This column is not used for the recent or historical waste streams.

**SMC**



## PART A - GENERAL INFORMATION

(1) Preparer: JDG (2) Date Prepared: 02/14/01  
 (3,4,5,6) Waste Stream: SMC-628-1 S35: Sludge evaporator dry non-acidic solids.  
 S32: Sludge evaporator bottoms - solidified in Bitumen.  
 (7) Type of Radioactive Waste: Low level | Non-radioactive | Transuranic or suspect transuranic: L  
 (8) Actual years disposed of at SDA: Starting year: 1994 Ending year: 1995 Annual or Total over all years: T  
 (9) Waste stream volume: 14.50000 Units\*: M Container or Waste volume: C  
 (10) Comments:

## PART B - WASTE STREAM CHARACTERISTICS

(1) General physical form: 11  
 (2) Details on physical form: Dried sludge or solidified in Bitumen.  
 (3) Chemical form: Unknown  
 (4) Inner packaging: Plastic Bag | Plastic Liner | Metal Liner | NONE | Other | Unknown: PL  
 (5) Waste container type: RDL  
 (6) Other characteristics of interest:  
 (7) Comments: 5. Waste container types also: Two containers in "O" and one container in BLM.

## PART C - NONRADIOLOGICAL CONTAMINANTS - Additional information or explanations:

## PART D - RADIOLOGICAL CONTAMINANTS - Additional information or explanations:

Basis for uncertainty discussed in document text under "SMC".

PART E - SOURCES OF INFORMATION AND UNCERTAINTIES

Type of source information: Generator forecasts X Reports  
 X RWMIS Other database Interview  
 X Sample analysis data Expert judgment Operating records  
 Other:

Details concerning source: Ref: D.C. Barg, Engineering Design File No. SMC-2000-001, "Determination of Limits for Depleted Uranium Containing Transuranic and Fission Product Materials", Appendix A.

Do the estimates of contaminant quantities represent: Best estimate | Worst case | Other: B

If other than best estimate, why?:

Do the data conflict with RWMIS?: Y Scaling factors used to update unknown radionuclides.

Major unknowns in inventories of contaminants:

Key assumptions used to deal with the unknowns:

CONTINUATION

Continuation of Part: Column or Question Number or Title:

Footnotes:

\* Units: cubic feet (FT) | gallons (GL) | grams (GM) | pounds (LB) | cubic meters (M) | unknown (U)

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PART D - RADIOLOGICAL CONTAMINANTS

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Waste Stream: SMC-628-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
AM-241	T	1.459E-06	Ci	1994	1994	N	N				4.0200E-06
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
NP-239	T	8.425E-07	Ci	1994	1994	N	N				1.6000E-06
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
PA-234M	T	1.226E-01	Ci	1994	1994	N	N				3.6792E-01
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
PU-238	T	1.288E-07	Ci	1994	1994	N	N				2.2000E-07
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
PU-239	T	2.097E-07	Ci	1994	1994	N	N				3.2000E-07
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
TC-99	T	7.076E-05	Ci	1994	1994	N	N				1.0755E-04
Basis for Uncertainty: See additional information											
Physical Form: Unknown											

Waste Stream: SMC-628-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
TH-231	T	1.582E-03	Ci	1994	1994	N	N				4.7462E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
TH-234	T	1.226E-01	Ci	1994	1994	N	N				3.6792E-01
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-232	T	2.146E-04	Ci	1994	1994	N	N				6.4386E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-233	T	1.594E-02	Ci	1994	1994	N	N				4.7830E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-234	T	2.391E-02	Ci	1994	1994	N	N				3.7773E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-235	T	1.582E-03	Ci	1994	1994	N	N				1.7415E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											

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PART D - RADIOLOGICAL CONTAMINANTS

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Waste Stream: SMC-628-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
U-236	T	2.318E-03	Ci	1994	1994	N	N				2.7349E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-238	T	1.226E-01	Ci	1994	1994	N	N				1.2264E-01
Basis for Uncertainty: See additional information Physical Form: Unknown											
AM-241	T	5.681E-07	Ci	1995	1995	N	N				1.5600E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											
NP-239	T	3.280E-07	Ci	1995	1995	N	N				6.2000E-07
Basis for Uncertainty: See additional information Physical Form: Unknown											
PA-234M	T	4.774E-02	Ci	1995	1995	N	N				1.4322E-01
Basis for Uncertainty: See additional information Physical Form: Unknown											
PU-238	T	5.013E-08	Ci	1995	1995	N	N				8.0000E-08
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: SMC-628-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
PU-239	T	8.164E-08	Ci	1995	1995	N	N				1.2000E-07
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
TC-99	T	2.755E-05	Ci	1995	1995	N	N				4.1860E-05
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
TH-231	T	6.158E-04	Ci	1995	1995	N	N				1.8476E-03
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
TH-234	T	4.774E-02	Ci	1995	1995	N	N				1.4322E-01
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
U-232	T	8.355E-05	Ci	1995	1995	N	N				2.5064E-04
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
U-233	T	6.206E-03	Ci	1995	1995	N	N				1.8619E-02
Basis for Uncertainty: See additional information											
Physical Form: Unknown											

Waste Stream: SMC-628-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
U-234	T	9.309E-03	Ci	1995	1995	N	N				1.4704E-02
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
U-235	T	6.158E-04	Ci	1995	1995	N	N				6.7792E-04
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
U-236	T	9.023E-04	Ci	1995	1995	N	N				1.0646E-03
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
U-238	T	4.774E-02	Ci	1995	1995	N	N				4.7741E-02
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											

Footnotes:

\* and standard deviation in the next column. If not, mark N and give minimum value and maximum value.es in the next column

\*\* For the projected waste streams, mark Y if forecast document was used. If not, mark N. This column is not used for the recent or historical waste streams.

## PART A - GENERAL INFORMATION

(1) Preparer: JDG (2) Date Prepared: 02/14/01  
 (3,4,5,6) Waste Stream: SMC-628-2 S21: Slag - unconsolidified.  
 (7) Type of Radioactive Waste: Low level | Non-radioactive | Transuranic or suspect transuranic: L  
 (8) Actual years disposed of at SDA: Starting year: 1994 Ending year: 1995 Annual or Total over all years: T  
 (9) Waste stream volume: 12.00000 Units\*: M Container or Waste volume: C  
 (10) Comments:

## PART B - WASTE STREAM CHARACTERISTICS

(1) General physical form: 52 Unknown  
 (2) Details on physical form:  
 (3) Chemical form: Unknown  
 (4) Inner packaging: Plastic Bag | Plastic Liner | Metal Liner | None | Other | Unknown: PL  
 (5) Waste container type: RDL  
 (6) Other characteristics of interest:  
 (7) Comments: 5. Some "BLM" and "O" containers.

## PART C - NONRADIOLOGICAL CONTAMINANTS - Additional information or explanations:

## PART D - RADIOLOGICAL CONTAMINANTS - Additional information or explanations:

Basis for uncertainty discussed in document text under "SMC".

## PART E - SOURCES OF INFORMATION AND UNCERTAINTIES

Type of source information:  
 X RWMIS  
 X Sample analysis data

Generator forecasts  
 Other database  
 Expert judgment  
 Other:

X Reports  
 Interview  
 Operating records

Details concerning source: Ref: D.C. Barg, Engineering Design File No. SMC-2000-001, "Determination of Limits for Depleted Uranium Containing Transuranic and Fission Product Materials", Appendix A.

Do the estimates of contaminant quantities represent: Best estimate | Worst case | Other: B

If other than best estimate, why?:

Do the data conflict with RWMIS? Y Scaling factors used to update unknown radionuclides.

Major unknowns in inventories of contaminants:

Key assumptions used to deal with the unknowns:

## CONTINUATION

Continuation of Part: Column or Question Number or Title:

## Footnotes:

\* Units: cubic feet (FT) | gallons (GL) | grams (GM) | pounds (LB) | cubic meters (M) | unknown (U)

Waste Stream: SMC-628-2

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
AM-241	T	2.220E-05	Ci	1994	1994	N	N			6.1190E-05	
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
NP-239	T	1.282E-05	Ci	1994	1994	N	N			2.4440E-05	
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
PA-234M	T	1.866E+00	Ci	1994	1994	N	N			5.5973E+00	
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
PU-238	T	1.959E-06	Ci	1994	1994	N	N			3.4800E-06	
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
PU-239	T	3.190E-06	Ci	1994	1994	N	N			4.9800E-06	
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
TC-99	T	1.076E-03	Ci	1994	1994	N	N			1.6363E-03	
Basis for Uncertainty: See additional information											
Physical Form: Unknown											

Waste Stream: SMC-628-2

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
TH-231	T	2.407E-02	Ci	1994	1994	N	N				7.2206E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
TH-234	T	1.866E+00	Ci	1994	1994	N	N				5.5973E+00
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-232	T	3.265E-03	Ci	1994	1994	N	N				9.7953E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-233	T	2.426E-01	Ci	1994	1994	N	N				7.2765E-01
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-234	T	3.638E-01	Ci	1994	1994	N	N				5.7466E-01
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-235	T	2.407E-02	Ci	1994	1994	N	N				2.6494E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: SMC-628-2

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
U-236	T	3.526E-02	Ci	1994	1994	N	N				4.1607E-02
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
U-238	T	1.866E+00	Ci	1994	1994	N	N				1.8658E+00
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
AM-241	T	5.309E-06	Ci	1995	1995	N	N				1.4630E-05
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
NP-239	T	3.065E-06	Ci	1995	1995	N	N				5.8400E-06
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
PA-234M	T	4.462E-01	Ci	1995	1995	N	N				1.3385E+00
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
PU-238	T	4.685E-07	Ci	1995	1995	N	N				8.3000E-07
Basis for Uncertainty: See additional information											
Physical Form: Unknown											

Waste Stream: SMC-628-2

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
PU-239	T	7.629E-07	Ci	1995	1995	N	N				1.1900E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											
TC-99	T	2.574E-04	Ci	1995	1995	N	N				3.9128E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
TH-231	T	5.755E-03	Ci	1995	1995	N	N				1.7266E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
TH-234	T	4.462E-01	Ci	1995	1995	N	N				1.3385E+00
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-232	T	7.808E-04	Ci	1995	1995	N	N				2.3423E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-233	T	5.800E-02	Ci	1995	1995	N	N				1.7400E-01
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: SMC-628-2

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
U-234	T	8.700E-02	Ci	1995	1995	N	N				1.3742E-01
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
U-235	T	5.755E-03	Ci	1995	1995	N	N				6.3355E-03
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
U-236	T	8.432E-03	Ci	1995	1995	N	N				9.9494E-03
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
U-238	T	4.462E-01	Ci	1995	1995	N	N				4.4616E-01
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											

Footnotes:

\* and standard deviation in the next column. If not, mark N and give minimum value and maximum value.es in the next column

\*\* For the projected waste streams, mark Y if forecast document was used. If not, mark N. This column is not used for the recent or historical waste streams.

PART A - GENERAL INFORMATION

(1) Preparer: JDG (2) Date Prepared: 02/14/01  
 (3,4,5,6) Waste Stream: SMC-629-2 Sandblast Grit  
 (7) Type of Radioactive Waste: Low level | Non-radioactive | Transuranic or suspect transuranic: L  
 (8) Actual years disposed of at SDA: Starting year: 1998 Ending year: 1998 Annual or Total over all years: T  
 (9) Waste stream volume: 2.90000 Units\*: M Container or Waste volume: C  
 (10) Comments:

PART B - WASTE STREAM CHARACTERISTICS

(1) General physical form: 53  
 (2) Details on physical form: Sand  
 (3) Chemical form: Unknown  
 (4) Inner packaging: Plastic Bag | Plastic Liner | Metal Liner | None | Other | Unknown: U  
 (5) Waste container type: DM  
 (6) Other characteristics of interest:  
 (7) Comments: 5. Waste containers are listed as DM.

PART C - NONRADIOLOGICAL CONTAMINANTS - Additional information or explanations:

PART D - RADIOLOGICAL CONTAMINANTS - Additional information or explanations:

Basis for uncertainty discussed in document under "SMC".

PART E - SOURCES OF INFORMATION AND UNCERTAINTIES

Type of source information:

- X RWMIS
- X Sample analysis data
- Generator forecasts
- Other database
- Expert judgment
- Other:
- X Reports
- Interview
- Operating records

Details concerning source: Ref: D.C. Barg, Engineering Design File No. SMC-2000-001, "Determination of Limits for Depleted Uranium Containing Transuranic and Fission Product Materials", Appendix A.

Do the estimates of contaminant quantities represent: Best estimate | Worst case | Other: B

If other than best estimate, why?:

Do the data conflict with RWMIS?: Y Scaling factors used to update unknown radionuclides.

Major unknowns in inventories of contaminants:

Key assumptions used to deal with the unknowns:

CONTINUATION

Continuation of Part: Column or Question Number or Title:

Footnotes:

- \* Units: cubic feet (FT) | gallons (GL) | grams (GM) | pounds (LB) | cubic meters (M) | unknown (U)

Waste Stream: SMC-629-2

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
AM-241	T	2.680E-08	Ci	1998	1998	N	N				7.0000E-08
Basis for Uncertainty: See additional information Physical Form: Unknown											
NP-239	T	1.547E-08	Ci	1998	1998	N	N				2.0000E-08
Basis for Uncertainty: See additional information Physical Form: Unknown											
PA-234M	T	2.255E-03	Ci	1998	1998	N	N				6.7655E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
PU-238	T	2.360E-09	Ci	1998	1998	N	N				
Basis for Uncertainty: See additional information Physical Form: Unknown											
PU-239	T	3.850E-09	Ci	1998	1998	N	N				
Basis for Uncertainty: See additional information Physical Form: Unknown											
TC-99	T	7.173E-07	Ci	1998	1998	N	N				1.0900E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: SMC-629-2

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
TH-231	T	2.869E-05	Ci	1998	1998	N	N				8.6070E-05
Basis for Uncertainty: See additional information Physical Form: Unknown											
TH-234	T	2.252E-03	Ci	1998	1998	N	N				6.7565E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-232	T	3.586E-06	Ci	1998	1998	N	N				1.0750E-05
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-233	T	2.928E-04	Ci	1998	1998	N	N				8.7834E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-234	T	3.091E-04	Ci	1998	1998	N	N				4.8843E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-235	T	2.869E-05	Ci	1998	1998	N	N				3.1550E-05
Basis for Uncertainty: See additional information Physical Form: Unknown											

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PART D - RADIOLOGICAL CONTAMINANTS

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Waste Stream: SMC-629-2

Radio-nuclide	(A) Annual Total	Quantity Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
U-236	T	4.232E-05	1998	1998	N	N				4.9930E-05
U-238	T	2.252E-03	1998	1998	N	N				2.2522E-03

Basis for Uncertainty: See additional information  
 Physical Form: Unknown      Chemical Form: Unknown

Basis for Uncertainty: See additional information  
 Physical Form: Unknown      Chemical Form: Unknown

Footnotes:

\* and standard deviation in the next column. If not, mark N and give minimum value and maximum values in the next column

\*\* For the projected waste streams, mark Y if forecast document was used. If not, mark N. This column is not used for the recent or historical waste streams.

## PART A - GENERAL INFORMATION

(1) Preparer: JDG (2) Date Prepared: 02/14/01  
 (3,4,5,6) Waste Stream: SMC-990-1 Depleted uranium contaminated material (metals, glass, gravel, soil, etc.)  
 (7) Type of Radioactive Waste: Low level | Non-radioactive | Transuranic or suspect transuranic: L  
 (8) Actual years disposed of at SDA: Starting year: 1994 Ending year: 1999 Annual or Total over all years: T  
 (9) Waste stream volume: 762.70000 Units\*: M Container or Waste volume: C  
 (10) Comments:

## PART B - WASTE STREAM CHARACTERISTICS

(1) General physical form: 10 41, 42, 43, 44  
 (2) Details on physical form:  
 (3) Chemical form: Unknown  
 (4) Inner packaging: Plastic Bag | Plastic Liner | Metal Liner | None | Other | Unknown: U  
 (5) Waste container type: U  
 (6) Other characteristics of interest:  
 (7) Comments: 5. Most waste containers listed as CW or CM. Several listed as either DM, BA, or BXW.

## PART C - NONRADIOLOGICAL CONTAMINANTS - Additional information or explanations:

## PART D - RADIOLOGICAL CONTAMINANTS - Additional information or explanations:

Basis for uncertainty discussed in document text under "SMC".

PART E - SOURCES OF INFORMATION AND UNCERTAINTIES

Type of source information:  
X RWMIS  
X Sample analysis data

Generator forecasts X Reports  
Other database Interview  
Expert judgment Operating records  
Other:

Details concerning source: Ref: D.C. Barg, Engineering Design File No. SMC-2000-001, "Determination of Limits for Depleted Uranium  
Containing Transuranic and Fission Product Materials", Appendix A.

Do the estimates of contaminant quantities represent: Best estimate | Worst case | Other: B

If other than best estimate, why?:

Do the data conflict with RWMIS? Y Scaling factors used to update unknown radionuclides.  
Major unknowns in inventories of contaminants:  
Key assumptions used to deal with the unknowns:

CONTINUATION

Continuation of Part: Column or Question Number or Title:

Footnotes:

\* Units: cubic feet (FT) | gallons (GL) | grams (GW) | pounds (LB) | cubic meters (M) | unknown (U)

Waste Stream: SMC-990-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
AM-241	T	5.000E-09	Ci	1994	1994	N	N				1.0000E-08
Basis for Uncertainty: See additional information Physical Form: Unknown											
NP-239	T	2.890E-09	Ci	1994	1994	N	N				
Basis for Uncertainty: See additional information Physical Form: Unknown											
PA-234M	T	4.200E-04	Ci	1994	1994	N	N				1.2600E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
PU-238	T	4.400E-10	Ci	1994	1994	N	N				
Basis for Uncertainty: See additional information Physical Form: Unknown											
PU-239	T	7.200E-10	Ci	1994	1994	N	N				
Basis for Uncertainty: See additional information Physical Form: Unknown											
TC-99	T	2.423E-07	Ci	1994	1994	N	N				3.6000E-07
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: SMC-990-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
TH-231	T	5.418E-06	Ci	1994	1994	N	N				1.6250E-05
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
TH-234	T	4.200E-04	Ci	1994	1994	N	N				1.2600E-03
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
U-232	T	7.350E-07	Ci	1994	1994	N	N				2.2000E-06
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
U-233	T	5.460E-05	Ci	1994	1994	N	N				1.6380E-04
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
U-234	T	8.190E-05	Ci	1994	1994	N	N				1.2936E-04
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
U-235	T	5.418E-06	Ci	1994	1994	N	N				5.9600E-06
Basis for Uncertainty: See additional information											
Physical Form: Unknown											

Waste Stream: SMC-990-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
U-236	T	7.938E-06	Ci	1994	1994	N	N				9.3600E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-238	T	4.200E-04	Ci	1994	1994	N	N				4.2000E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
AM-241	T	3.552E-07	Ci	1995	1995	N	N				9.7000E-07
Basis for Uncertainty: See additional information Physical Form: Unknown											
NP-239	T	2.051E-07	Ci	1995	1995	N	N				3.9000E-07
Basis for Uncertainty: See additional information Physical Form: Unknown											
PA-234M	T	2.985E-02	Ci	1995	1995	N	N				8.9549E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
PU-238	T	3.134E-08	Ci	1995	1995	N	N				5.0000E-08
Basis for Uncertainty: See additional information Physical Form: Unknown											

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PART D - RADIOLOGICAL CONTAMINANTS

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Waste Stream: SMC-990-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
PU-239	T	5.104E-08	Ci	1995	1995	N	N				7.0000E-08
Basis for Uncertainty: See additional information Physical Form: Unknown											
TC-99	T	1.722E-05	Ci	1995	1995	N	N				2.6170E-05
Basis for Uncertainty: See additional information Physical Form: Unknown											
TH-231	T	3.851E-04	Ci	1995	1995	N	N				1.1552E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
TH-234	T	2.985E-02	Ci	1995	1995	N	N				8.9549E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-232	T	5.224E-05	Ci	1995	1995	N	N				1.5671E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-233	T	3.880E-03	Ci	1995	1995	N	N				1.1641E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: SMC-990-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
U-234	T	5.821E-03	Ci	1995	1995	N	N				9.1937E-03
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
U-235	T	3.851E-04	Ci	1995	1995	N	N				4.2386E-04
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
U-236	T	5.642E-04	Ci	1995	1995	N	N				6.6565E-04
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
U-238	T	2.985E-02	Ci	1995	1995	N	N				2.9850E-02
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
AM-241	T	1.574E-06	Ci	1998	1998	N	N				4.3400E-06
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
NP-239	T	9.085E-07	Ci	1998	1998	N	N				1.7200E-06
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											

Waste Stream: SMC-990-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
PA-234M	T	1.316E-01	Ci	1998	1998	N	N				3.9491E-01
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
PU-238	T	1.389E-07	Ci	1998	1998	N	N				2.4000E-07
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
PU-239	T	2.261E-07	Ci	1998	1998	N	N				3.5000E-07
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
TC-99	T	4.388E-05	Ci	1998	1998	N	N				6.6690E-05
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
TH-231	T	1.681E-03	Ci	1998	1998	N	N				5.0441E-03
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
TH-234	T	2.330E-01	Ci	1998	1998	N	N				6.9913E-01
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											

Waste Stream: SMC-990-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
U-232	T	2.306E-04	Ci	1998	1998	N	N				6.9189E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-233	T	1.658E-02	Ci	1998	1998	N	N				4.9741E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-234	T	1.856E-02	Ci	1998	1998	N	N				2.9322E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-235	T	1.615E-03	Ci	1998	1998	N	N				1.7764E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-236	T	2.470E-03	Ci	1998	1998	N	N				2.9146E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-238	T	1.322E-01	Ci	1998	1998	N	N				1.3225E-01
Basis for Uncertainty: See additional information Physical Form: Unknown											

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PART D - RADIOLOGICAL CONTAMINANTS

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Waste Stream: SMC-990-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
AM-241	T	6.329E-07	Ci	1999	1999	N	N				1.7400E-06
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
NP-239	T	3.654E-07	Ci	1999	1999	N	N				6.9000E-07
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
PA-234M	T	5.318E-02	Ci	1999	1999	N	N				1.5955E-01
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
PU-238	T	5.584E-08	Ci	1999	1999	N	N				9.0000E-08
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
PU-239	T	9.094E-08	Ci	1999	1999	N	N				1.4000E-07
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
TC-99	T	1.458E-05	Ci	1999	1999	N	N				2.2160E-05
Basis for Uncertainty: See additional information											
Physical Form: Unknown											

Waste Stream: SMC-990-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
TH-231	T	6.751E-04	Ci	1999	1999	N	N				2.0254E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
TH-234	T	5.318E-02	Ci	1999	1999	N	N				1.5955E-01
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-232	T	9.253E-05	Ci	1999	1999	N	N				2.7759E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-233	T	6.914E-03	Ci	1999	1999	N	N				2.0741E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-234	T	6.914E-03	Ci	1999	1999	N	N				1.0925E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-235	T	6.751E-04	Ci	1999	1999	N	N				7.4265E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											

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PART D - RADIOLOGICAL CONTAMINANTS

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Waste Stream: SMC-990-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
U-236	T	9.996E-04	Ci	1999	1999	N	N				1.1795E-03
U-238	T	5.318E-02	Ci	1999	1999	N	N				5.3182E-02

Basis for Uncertainty: See additional information  
 Physical Form: Unknown

Basis for Uncertainty: See additional information  
 Chemical Form: Unknown

Footnotes:

\* and standard deviation in the next column. If not, mark N and give minimum value and maximum value.es in the next column

\*\* For the projected waste streams, mark Y if forecast document was used. If not, mark N. This column is not used for the recent or historical waste streams.



**TAN**



PART A - GENERAL INFORMATION

(1) Preparer: ML (2) Date Prepared: 02/13/01  
 (3,4,5,6) Waste Stream: TAN-603-1 TAN 603 Boiler Equipment LLW  
 (7) Type of Radioactive Waste: Low level | Non-radioactive | Transuranic or suspect transuranic: L  
 (8) Actual years disposed of at SDA: Starting year: 1998 Ending year: 1998 Annual or Total over all years: T  
 (9) Waste stream volume: 65.24200 Units\*: M Container or Waste volume: C  
 (10) Comments:

PART B - WASTE STREAM CHARACTERISTICS

(1) General physical form: 41 43, 53, Steel, carbon, metal articles.  
 (2) Details on physical form:  
 (3) Chemical form:  
 (4) Inner packaging: Plastic Bag | Plastic Liner | Metal Liner | None | Other | Unknown: PL  
 (5) Waste container type: CW  
 (6) Other characteristics of interest:  
 (7) Comments:

PART C - NONRADIOLOGICAL CONTAMINANTS - Additional information or explanations:

PART D - RADIOLOGICAL CONTAMINANTS - Additional information or explanations:

Basis for uncertainty is discussed in TAN section of document text.

PART E - SOURCES OF INFORMATION AND UNCERTAINTIES

Type of source information:	Generator forecasts	Reports
X RWMIS	Other database	Interview
Sample analysis data	Expert judgment	Operating records
	Other:	

Details concerning source:  
 Do the estimates of contaminant quantities represent: Best estimate | Worst case | Other: B

If other than best estimate, why?:

Do the data conflict with RWMIS?: Y Scaling factors were applied where appropriate as explained in text document.  
 Major unknowns in inventories of contaminants:  
 Key assumptions used to deal with the unknowns:

CONTINUATION

Continuation of Part: Column or Question Number or Title:

Footnotes:

\* Units: cubic feet (FT) | gallons (GL) | grams (GM) | pounds (LB) | cubic meters (M) | unknown (U)

Waste Stream: TAN-603-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
AG-110M	T	1.837E-07	Ci	1998	1998	N	N				1.1000E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											
CE-144	T	2.440E-07	Ci	1998	1998	N	N				1.4600E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											
CS-134	T	2.250E-08	Ci	1998	1998	N	N				1.3000E-07
Basis for Uncertainty: See additional information Physical Form: Unknown											
CS-137	T	6.778E-06	Ci	1998	1998	N	N				1.3550E-05
Basis for Uncertainty: See additional information Physical Form: Unknown											
EU-152	T	1.328E-08	Ci	1998	1998	N	N				7.0000E-08
Basis for Uncertainty: See additional information Physical Form: Unknown											
EU-154	T	4.975E-08	Ci	1998	1998	N	N				2.9000E-07
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: TAN-603-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
EU-155	T	1.600E-09	Ci	1998	1998	N	N				
Basis for Uncertainty: See additional information Physical Form: Unknown											
I-129	T	5.000E-11	Ci	1998	1998	N	N				
Basis for Uncertainty: See additional information Physical Form: Unknown											
K-40	T	1.234E-05	Ci	1998	1998	N	N				7.4070E-05
Basis for Uncertainty: See additional information Physical Form: Unknown											
RU-106	T	3.920E-09	Ci	1998	1998	N	N				2.0000E-08
Basis for Uncertainty: See additional information Physical Form: Unknown											
SB-125	T	2.433E-07	Ci	1998	1998	N	N				1.4500E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											
SR-90	T	9.962E-05	Ci	1998	1998	N	N				5.9773E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											

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PART D - RADIOLOGICAL CONTAMINANTS

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Waste Stream: TAN-603-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
TH-230	T	3.116E-06	Ci	1998	1998	N	N				3.1100E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											
TH-232	T	1.865E-06	Ci	1998	1998	N	N				1.8600E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-234	T	2.226E-04	Ci	1998	1998	N	N				2.2257E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-235	T	1.318E-06	Ci	1998	1998	N	N				1.3100E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-238	T	3.119E-05	Ci	1998	1998	N	N				3.1180E-05
Basis for Uncertainty: See additional information Physical Form: Unknown											

Footnotes:

- \* and standard deviation in the next column. If not, mark N and give minimum value and maximum values in the next column.
- \*\* For the projected waste streams, mark Y if forecast document was used. If not, mark N. This column is not used for the recent or historical waste streams.

## PART A - GENERAL INFORMATION

(1) Preparer: ML  
 (3,4,5,6) Waste Stream: TAN-607-1 TAN Hot Shop debris - wiring and wiring devices, metal -- aluminum, steel, carbon.  
 (7) Type of Radioactive Waste: Low level | Non-radioactive | Transuranic or suspect transuranic: L  
 (8) Actual years disposed of at SDA: Starting year: 1995 Ending year: 1995 Annual or Total over all years: T  
 (9) Waste stream volume: 54.30000 Units\*: M Container or Waste volume: C  
 (10) Comments:

## PART B - WASTE STREAM CHARACTERISTICS

(1) General physical form: 10 Wiring and wiring devices.  
 (2) Details on physical form:  
 (3) Chemical form:  
 (4) Inner packaging: Plastic Bag | Plastic Liner | Metal Liner | None | Other | Unknown: PL  
 (5) Waste container type: BXW  
 (6) Other characteristics of interest:  
 (7) Comments:

## PART C - NONRADIOLOGICAL CONTAMINANTS - Additional information or explanations:

## PART D - RADIOLOGICAL CONTAMINANTS - Additional information or explanations:

Basis for uncertainty is discussed in TAN section of document text.

PART E - SOURCES OF INFORMATION AND UNCERTAINTIES

Type of source information:	Generator forecasts	Reports
X RWMIS	Other database	Interview
Sample analysis data	Expert judgment	Operating records
	Other:	

Details concerning source:  
 Do the estimates of contaminant quantities represent: Best estimate | Worst case | Other: B

If other than best estimate, why?:

Do the data conflict with RWMIS?: Y Scaling factors were applied where appropriate as explained in text document.  
 Major unknowns in inventories of contaminants:  
 Key assumptions used to deal with the unknowns:

CONTINUATION

Continuation of Part: Column or Question Number or Title:

Footnotes:

\* Units: cubic feet (FT) | gallons (GL) | grams (GM) | pounds (LB) | cubic meters (M) | unknown (U)

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PART D - RADIOLOGICAL CONTAMINANTS

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Waste Stream: TAN-607-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
AG-110M	T	2.014E-03	Ci	1995	1995	N	N				1.2081E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
AM-241	T	3.350E-04	Ci	1995	1995	N	N				2.0099E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
C-14	T	4.691E-06	Ci	1995	1995	N	N				2.8140E-05
Basis for Uncertainty: See additional information Physical Form: Unknown											
CE-144	T	2.675E-03	Ci	1995	1995	N	N				1.6049E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
CO-58	T	3.893E-03	Ci	1995	1995	N	N				2.3356E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
CO-60	T	2.495E-02	Ci	1995	1995	N	N				4.9906E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											

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PART D - RADIOLOGICAL CONTAMINANTS

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Waste Stream: TAN-607-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
CR-51	T	1.824E-03	Ci	1995	1995	N	N				1.0944E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
CS-134	T	2.120E-04	Ci	1995	1995	N	N				1.2721E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
CS-137	T	7.430E-02	Ci	1995	1995	N	N				1.4860E-01
Basis for Uncertainty: See additional information Physical Form: Unknown											
EU-152	T	1.456E-04	Ci	1995	1995	N	N				8.7378E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
EU-154	T	3.648E-04	Ci	1995	1995	N	N				2.1891E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
EU-155	T	1.847E-05	Ci	1995	1995	N	N				1.1079E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: TAN-607-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
FE-55	T	3.468E-02	Ci	1995	1995	N	N				6.9370E-02
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
H-3	T	1.370E-02	Ci	1995	1995	N	N				8.2196E-02
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
I-129	T	5.023E-07	Ci	1995	1995	N	N				3.0100E-06
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
MN-54	T	6.413E-05	Ci	1995	1995	N	N				3.8477E-04
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
NB-94	T	1.337E-06	Ci	1995	1995	N	N				8.0200E-06
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
NI-59	T	3.768E-05	Ci	1995	1995	N	N				2.2607E-04
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											

Waste Stream: TAN-607-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
NI-63	T	3.169E-02	Ci	1995	1995	N	N				6.3381E-02
										Basis for Uncertainty: See additional information Physical Form: Unknown Chemical Form: Unknown	
RU-106	T	4.302E-05	Ci	1995	1995	N	N				2.5812E-04
										Basis for Uncertainty: See additional information Physical Form: Unknown Chemical Form: Unknown	
SB-125	T	2.308E-02	Ci	1995	1995	N	N				1.3845E-01
										Basis for Uncertainty: See additional information Physical Form: Unknown Chemical Form: Unknown	
SR-90	T	1.285E-01	Ci	1995	1995	N	N				7.7118E-01
										Basis for Uncertainty: See additional information Physical Form: Unknown Chemical Form: Unknown	
TC-99	T	5.465E-05	Ci	1995	1995	N	N				3.2788E-04
										Basis for Uncertainty: See additional information Physical Form: Unknown Chemical Form: Unknown	

Footnotes:

- \* and standard deviation in the next column. If not, mark N and give minimum value and maximum values in the next column
- \*\* For the projected waste streams, mark Y if forecast document was used. If not, mark N. This column is not used for the recent or historical waste streams.

## PART A - GENERAL INFORMATION

(1) Preparer: ML (2) Date Prepared: 02/13/01  
 (3,4,5,6) Waste Stream: TAN-607-2 Low level non-compactible waste.  
 (7) Type of Radioactive Waste: Low level | Non-radioactive | Transuranic or suspect transuranic: L  
 (8) Actual years disposed of at SDA: Starting year: 1996 Ending year: 1999 Annual or Total over all years: T  
 (9) Waste stream volume: 308.30000 Units\*: M Container or Waste volume: C  
 (10) Comments:

## PART B - WASTE STREAM CHARACTERISTICS

(1) General physical form: 10 23, 41, 21, 43  
 (2) Details on physical form:  
 (3) Chemical form:  
 (4) Inner packaging: Plastic Bag | Plastic Liner | Metal Liner | None | Other | Unknown: PL  
 (5) Waste container type: PB1  
 (6) Other characteristics of interest:  
 (7) Comments: 5. Waste container types also: BXW, CW, B25.  
 B25 = 96 cubic foot metal bin.  
 CW = wooden boxes, concrete boxes, cartons, cases.

## PART C - NONRADIOLOGICAL CONTAMINANTS - Additional information or explanations:

## PART D - RADIOLOGICAL CONTAMINANTS - Additional information or explanations:

Basis for uncertainty is discussed in TAN section of document text.

PART E - SOURCES OF INFORMATION AND UNCERTAINTIES

Type of source information:	Generator forecasts	Reports
X RWIS	Other database	Interview
Sample analysis data	Expert judgment	Operating records
	Other: IWTS	

Details concerning source:  
 Do the estimates of contaminant quantities represent: Best estimate | Worst case | Other: B

If other than best estimate, why?:

Do the data conflict with RWIS?: Y Scaling factors were applied where appropriate as explained in text document.  
 Major unknowns in inventories of contaminants:  
 Key assumptions used to deal with the unknowns:

CONTINUATION

Continuation of Part: Column or Question Number or Title:

Footnotes:

\* Units: cubic feet (FT) | gallons (GL) | grams (GM) | pounds (LB) | cubic meters (M) | unknown (U)

Waste Stream: TAN-607-2

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
AG-110M	T	1.423E-03	Ci	1996	1996	N	N				8.5378E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
AM-241	T	2.726E-04	Ci	1996	1996	N	N				1.6355E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
C-14	T	3.372E-05	Ci	1996	1996	N	N				2.0234E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
CE-144	T	1.890E-03	Ci	1996	1996	N	N				1.1342E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
CM-242	T	2.671E-07	Ci	1996	1996	N	N				1.6000E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											
CM-244	T	4.438E-07	Ci	1996	1996	N	N				2.6600E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											

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PART D - RADIOLOGICAL CONTAMINANTS

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Waste Stream: TAN-607-2

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
CO-58	T	1.518E-03	Ci	1996	1996	N	N				9.1108E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
CO-60	T	1.794E-01	Ci	1996	1996	N	N				3.5877E-01
Basis for Uncertainty: See additional information Physical Form: Unknown											
CR-51	T	1.629E-02	Ci	1996	1996	N	N				9.7769E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
CS-134	T	2.534E-04	Ci	1996	1996	N	N				1.5202E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
CS-137	T	5.251E-02	Ci	1996	1996	N	N				1.0502E-01
Basis for Uncertainty: See additional information Physical Form: Unknown											
EU-152	T	2.112E-04	Ci	1996	1996	N	N				1.2670E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: TAN-607-2

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
EU-154	T	3.906E-04	Ci	1996	1996	N	N				2.3434E-03
Basis for Uncertainty: See additional information Physical Form: Unknown Chemical Form: Unknown											
EU-155	T	1.239E-05	Ci	1996	1996	N	N				7.4350E-05
Basis for Uncertainty: See additional information Physical Form: Unknown Chemical Form: Unknown											
FE-55	T	1.384E-02	Ci	1996	1996	N	N				2.7678E-02
Basis for Uncertainty: See additional information Physical Form: Unknown Chemical Form: Unknown											
H-3	T	9.848E-02	Ci	1996	1996	N	N				5.9089E-01
Basis for Uncertainty: See additional information Physical Form: Unknown Chemical Form: Unknown											
HF-181	T	1.894E-04	Ci	1996	1996	N	N				1.1364E-03
Basis for Uncertainty: See additional information Physical Form: Unknown Chemical Form: Unknown											
I-129	T	3.550E-07	Ci	1996	1996	N	N				2.1200E-06
Basis for Uncertainty: See additional information Physical Form: Unknown Chemical Form: Unknown											

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PART D - RADIOLOGICAL CONTAMINANTS

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Waste Stream: TAN-607-2

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
MN-54	T	4.509E-04	Ci	1996	1996	N	N				2.7052E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
NB-94	T	9.615E-06	Ci	1996	1996	N	N				5.7690E-05
Basis for Uncertainty: See additional information Physical Form: Unknown											
NI-59	T	2.709E-04	Ci	1996	1996	N	N				1.6252E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
NI-63	T	7.510E-03	Ci	1996	1996	N	N				1.5021E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
PU-238	T	6.254E-07	Ci	1996	1996	N	N				3.7500E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											
PU-239	T	5.300E-07	Ci	1996	1996	N	N				3.1800E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: TAN-607-2

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
PU-240	T	7.314E-07	Ci	1996	1996	N	N				4.3800E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											
PU-241	T	3.684E-04	Ci	1996	1996	N	N				2.2101E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
RU-106	T	3.040E-05	Ci	1996	1996	N	N				1.8241E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
SB-125	T	8.127E-04	Ci	1996	1996	N	N				4.8760E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
SR-90	T	1.837E-01	Ci	1996	1996	N	N				1.1020E+00
Basis for Uncertainty: See additional information Physical Form: Unknown											
TC-99	T	3.928E-04	Ci	1996	1996	N	N				2.3571E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: TAN-607-2

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
TH-228	T	1.336E-07	Ci	1996	1996	N	N				1.3000E-07
						Basis for Uncertainty: See additional information Physical Form: Unknown					
TH-230	T	4.314E-08	Ci	1996	1996	N	N				4.0000E-08
						Basis for Uncertainty: See additional information Physical Form: Unknown					
TH-232	T	2.602E-07	Ci	1996	1996	N	N				2.6000E-07
						Basis for Uncertainty: See additional information Physical Form: Unknown					
U-234	T	3.371E-05	Ci	1996	1996	N	N				3.3700E-05
						Basis for Uncertainty: See additional information Physical Form: Unknown					
U-235	T	8.480E-07	Ci	1996	1996	N	N				8.4000E-07
						Basis for Uncertainty: See additional information Physical Form: Unknown					
U-236	T	6.000E-11	Ci	1996	1996	N	N				
						Basis for Uncertainty: See additional information Physical Form: Unknown					

Waste Stream: TAN-607-2

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
U-238	T	1.447E-05	Ci	1996	1996	N	N				1.4460E-05
Basis for Uncertainty: See additional information Physical Form: Unknown											
AG-108M	T	2.560E-04	Ci	1997	1997	N	N				1.5360E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
AG-110M	T	4.945E-02	Ci	1997	1997	N	N				2.9670E-01
Basis for Uncertainty: See additional information Physical Form: Unknown											
AM-241	T	2.253E-01	Ci	1997	1997	N	N				1.3516E+00
Basis for Uncertainty: See additional information Physical Form: Unknown											
C-14	T	8.086E-05	Ci	1997	1997	N	N				4.8518E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
CE-144	T	6.569E-02	Ci	1997	1997	N	N				3.9414E-01
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: TAN-607-2

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
CM-242	T	3.012E-02	Ci	1997	1997	N	N				1.8069E-01
Basis for Uncertainty: See additional information Physical Form: Unknown											
CM-244	T	3.246E-03	Ci	1997	1997	N	N				1.9479E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
CO-58	T	4.063E-02	Ci	1997	1997	N	N				2.4378E-01
Basis for Uncertainty: See additional information Physical Form: Unknown											
CO-60	T	4.301E-01	Ci	1997	1997	N	N				8.6020E-01
Basis for Uncertainty: See additional information Physical Form: Unknown											
CR-51	T	3.462E-02	Ci	1997	1997	N	N				2.0773E-01
Basis for Uncertainty: See additional information Physical Form: Unknown											
CS-134	T	5.963E-03	Ci	1997	1997	N	N				3.5780E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: TAN-607-2

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
CS-137	T	1.825E+00	Ci	1997	1997	N	N				3.6494E+00
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
EU-152	T	3.576E-03	Ci	1997	1997	N	N				2.1459E-02
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
EU-154	T	1.162E-02	Ci	1997	1997	N	N				6.9724E-02
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
EU-155	T	4.306E-04	Ci	1997	1997	N	N				2.5838E-03
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
FE-55	T	3.623E-01	Ci	1997	1997	N	N				7.2466E-01
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
H-3	T	2.361E-01	Ci	1997	1997	N	N				1.4167E+00
Basis for Uncertainty: See additional information											
Physical Form: Unknown											

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PART D - RADIOLOGICAL CONTAMINANTS

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Waste Stream: TAN-607-2

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
HF-181	T	1.894E-04	Ci	1997	1997	N	N				1.1364E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
I-129	T	1.234E-05	Ci	1997	1997	N	N				7.4010E-05
Basis for Uncertainty: See additional information Physical Form: Unknown											
MN-54	T	1.095E-03	Ci	1997	1997	N	N				6.5712E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
NB-94	T	2.305E-05	Ci	1997	1997	N	N				1.3831E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
NI-59	T	6.499E-04	Ci	1997	1997	N	N				3.8997E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
NI-63	T	3.247E-01	Ci	1997	1997	N	N				6.4938E-01
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: TAN-607-2

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
PU-238	T	3.740E-02	Ci	1997	1997	N	N				2.2440E-01
Basis for Uncertainty: See additional information Physical Form: Unknown											
PU-239	T	2.880E-02	Ci	1997	1997	N	N				1.7280E-01
Basis for Uncertainty: See additional information Physical Form: Unknown											
PU-240	T	3.974E-02	Ci	1997	1997	N	N				2.3847E-01
Basis for Uncertainty: See additional information Physical Form: Unknown											
PU-241	T	3.712E-04	Ci	1997	1997	N	N				2.2269E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
RU-106	T	1.056E-03	Ci	1997	1997	N	N				6.3390E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
SB-125	T	2.786E-02	Ci	1997	1997	N	N				1.6715E-01
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: TAN-607-2

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
SR-90	T	7.518E+00	Ci	1997	1997	N	N				4.5107E+01
Basis for Uncertainty: See additional information Physical Form: Unknown											
TC-99	T	9.394E-04	Ci	1997	1997	N	N				5.6365E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
TH-228	T	7.258E-03	Ci	1997	1997	N	N				7.2577E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
TH-230	T	2.344E-03	Ci	1997	1997	N	N				2.3444E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
TH-232	T	1.414E-02	Ci	1997	1997	N	N				1.4141E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-234	T	1.832E+00	Ci	1997	1997	N	N				1.8317E+00
Basis for Uncertainty: See additional information Physical Form: Unknown											

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PART D - RADIOLOGICAL CONTAMINANTS

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Waste Stream: TAN-607-2

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
U-235	T	4.608E-02	Ci	1997	1997	N	N				4.6081E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-236	T	3.110E-06	Ci	1997	1997	N	N				3.1100E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-238	T	7.862E-01	Ci	1997	1997	N	N				7.8625E-01
Basis for Uncertainty: See additional information Physical Form: Unknown											
Y-90	T	3.460E-09	Ci	1997	1997	N	N				2.0000E-08
Basis for Uncertainty: See additional information Physical Form: Unknown											
AG-110M	T	7.335E-02	Ci	1998	1998	N	N				4.4008E-01
Basis for Uncertainty: See additional information Physical Form: Unknown											
AM-241	T	3.380E-03	Ci	1998	1998	N	N				2.0279E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: TAN-607-2

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
C-14	T	6.982E-05	Ci	1998	1998	N	N				4.1892E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
CE-144	T	9.743E-02	Ci	1998	1998	N	N				5.8460E-01
Basis for Uncertainty: See additional information Physical Form: Unknown											
CO-58	T	5.794E-02	Ci	1998	1998	N	N				3.4762E-01
Basis for Uncertainty: See additional information Physical Form: Unknown											
CO-60	T	3.714E-01	Ci	1998	1998	N	N				7.4278E-01
Basis for Uncertainty: See additional information Physical Form: Unknown											
CR-51	T	2.715E-02	Ci	1998	1998	N	N				1.6289E-01
Basis for Uncertainty: See additional information Physical Form: Unknown											
CS-134	T	7.612E-03	Ci	1998	1998	N	N				4.5670E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: TAN-607-2

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
CS-137	T	2.706E+00	Ci	1998	1998	N	N				5.4130E+00
Basis for Uncertainty: See additional information Physical Form: Unknown											
EU-152	T	5.286E-03	Ci	1998	1998	N	N				3.1716E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
EU-154	T	1.353E-02	Ci	1998	1998	N	N				8.1166E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
EU-155	T	6.387E-04	Ci	1998	1998	N	N				3.8324E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
FE-55	T	5.162E-01	Ci	1998	1998	N	N				1.0325E+00
Basis for Uncertainty: See additional information Physical Form: Unknown											
H-3	T	2.039E-01	Ci	1998	1998	N	N				1.2234E+00
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: TAN-607-2

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
I-129	T	1.830E-05	Ci	1998	1998	N	N				1.0977E-04
						Basis for Uncertainty: See additional information Physical Form: Unknown					
MN-54	T	9.545E-04	Ci	1998	1998	N	N				5.7268E-03
						Basis for Uncertainty: See additional information Physical Form: Unknown					
NB-94	T	1.991E-05	Ci	1998	1998	N	N				1.1943E-04
						Basis for Uncertainty: See additional information Physical Form: Unknown					
NI-59	T	5.608E-04	Ci	1998	1998	N	N				3.3648E-03
						Basis for Uncertainty: See additional information Physical Form: Unknown					
NI-63	T	4.717E-01	Ci	1998	1998	N	N				9.4333E-01
						Basis for Uncertainty: See additional information Physical Form: Unknown					
RU-106	T	1.567E-03	Ci	1998	1998	N	N				9.4024E-03
						Basis for Uncertainty: See additional information Physical Form: Unknown					

Waste Stream: TAN-607-2

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
SB-125	T	4.453E-02	Ci	1998	1998	N	N				2.6719E-01
						Basis for Uncertainty: See additional information Physical Form: Unknown					
SR-90	T	1.115E+01	Ci	1998	1998	N	N				6.6905E+01
						Basis for Uncertainty: See additional information Physical Form: Unknown					
TC-99	T	8.133E-04	Ci	1998	1998	N	N				4.8800E-03
						Basis for Uncertainty: See additional information Physical Form: Unknown					
AG-110M	T	9.327E-02	Ci	1999	1999	N	N				5.5962E-01
						Basis for Uncertainty: See additional information Physical Form: Unknown					
AM-241	T	5.182E-03	Ci	1999	1999	N	N				3.1092E-02
						Basis for Uncertainty: See additional information Physical Form: Unknown					
BA-137M	T	3.190E-06	Ci	1999	1999	N	N				1.9140E-05
						Basis for Uncertainty: See additional information Physical Form: Unknown					

Waste Stream: TAN-607-2

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
C-14	T	1.686E-04	Ci	1999	1999	N	N			1.0118E-03	
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
CD-109	T	9.900E-07	Ci	1999	1999	N	N			5.9400E-06	
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
CE-144	T	1.239E-01	Ci	1999	1999	N	N			7.4340E-01	
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
CL-36	T	2.000E-08	Ci	1999	1999	N	N			1.2000E-07	
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
CM-242	T	1.817E-08	Ci	1999	1999	N	N			1.0000E-07	
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
CM-244	T	2.500E-10	Ci	1999	1999	N	N				
Basis for Uncertainty: See additional information											
Physical Form: Unknown											

Waste Stream: TAN-607-2

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
CO-58	T	1.400E-03	Ci	1999	1999	N	N				8.4017E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
CO-60	T	8.970E-01	Ci	1999	1999	N	N				1.7940E+00
Basis for Uncertainty: See additional information Physical Form: Unknown											
CR-51	T	6.562E-04	Ci	1999	1999	N	N				3.9373E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
CS-134	T	1.954E-04	Ci	1999	1999	N	N				1.1725E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
CS-137	T	3.442E+00	Ci	1999	1999	N	N				6.8834E+00
Basis for Uncertainty: See additional information Physical Form: Unknown											
EU-152	T	1.209E-04	Ci	1999	1999	N	N				7.2551E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											

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PART D - RADIOLOGICAL CONTAMINANTS

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Waste Stream: TAN-607-2

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
EU-154	T	3.425E-04	Ci	1999	1999	N	N				2.0550E-03
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
EU-155	T	8.122E-04	Ci	1999	1999	N	N				4.8734E-03
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
FE-55	T	1.248E-02	Ci	1999	1999	N	N				2.4954E-02
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
H-3	T	4.928E-03	Ci	1999	1999	N	N				2.9567E-02
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
HF-181	T	1.000E-11	Ci	1999	1999	N	N				
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
I-129	T	2.327E-05	Ci	1999	1999	N	N				1.3959E-04
Basis for Uncertainty: See additional information											
Physical Form: Unknown											

Waste Stream: TAN-607-2

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
MN-54	T	2.307E-05	Ci	1999	1999	N	N				1.3841E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
NA-22	T	1.010E-06	Ci	1999	1999	N	N				6.0600E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											
NB-94	T	4.811E-07	Ci	1999	1999	N	N				2.8800E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											
NI-59	T	1.355E-05	Ci	1999	1999	N	N				8.1320E-05
Basis for Uncertainty: See additional information Physical Form: Unknown											
NI-63	T	1.150E-02	Ci	1999	1999	N	N				2.2995E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
PU-238	T	8.600E-07	Ci	1999	1999	N	N				5.1600E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											

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PART D - RADIOLOGICAL CONTAMINANTS

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Waste Stream: TAN-607-2

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
PU-239	T	3.600E-08	Ci	1999	1999	N	N				2.1000E-07
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
PU-240	T	4.968E-08	Ci	1999	1999	N	N				2.9000E-07
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
PU-241	T	2.502E-05	Ci	1999	1999	N	N				1.5012E-04
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
RU-106	T	1.993E-03	Ci	1999	1999	N	N				1.1956E-02
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
SB-125	T	1.193E-03	Ci	1999	1999	N	N				7.1561E-03
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
SR-90	T	2.452E-01	Ci	1999	1999	N	N				1.4714E+00
Basis for Uncertainty: See additional information											
Physical Form: Unknown											

Waste Stream: TAN-607-2

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
TC-99	T	1.966E-05	Ci	1999	1999	N	N				1.1796E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
TH-228	T	9.070E-09	Ci	1999	1999	N	N				
Basis for Uncertainty: See additional information Physical Form: Unknown											
TH-230	T	2.930E-09	Ci	1999	1999	N	N				
Basis for Uncertainty: See additional information Physical Form: Unknown											
TH-232	T	1.768E-08	Ci	1999	1999	N	N				1.0000E-08
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-234	T	2.290E-06	Ci	1999	1999	N	N				2.2800E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-235	T	5.760E-08	Ci	1999	1999	N	N				5.0000E-08
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: TAN-607-2

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
U-236	T	0.000E+00	Ci	1999	1999	N	N				
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-238	T	9.828E-07	Ci	1999	1999	N	N				9.8000E-07
Basis for Uncertainty: See additional information Physical Form: Unknown											
Y-90	T	6.766E-06	Ci	1999	1999	N	N				4.0590E-05
Basis for Uncertainty: See additional information Physical Form: Unknown											

Footnotes:

\* and standard deviation in the next column. If not, mark N and give minimum value and maximum value.es in the next column

\*\* For the projected waste streams, mark Y if forecast document was used. If not, mark N. This column is not used for the recent or historical waste streams.

PART A - GENERAL INFORMATION

(1) Preparer: ML (2) Date Prepared: 02/13/01  
 (3,4,5,6) Waste Stream: TAN-623-1 Dried domestic sewage from TAN TSF.  
 (7) Type of Radioactive Waste: Low level | Non-radioactive | Transuranic or suspect transuranic: L  
 (8) Actual years disposed of at SDA: Starting year: 1997 Ending year: 1997 Annual or Total over all years: T  
 (9) Waste stream volume: 14.61200 Units\*: M Container or Waste volume: C  
 (10) Comments:

PART B - WASTE STREAM CHARACTERISTICS

(1) General physical form: 53 Dried domestic sewage.  
 (2) Details on physical form:  
 (3) Chemical form:  
 (4) Inner packaging: Plastic Bag | Plastic Liner | Metal Liner | NOne | Other | Unknown:  
 (5) Waste container type: CW  
 (6) Other characteristics of interest:  
 (7) Comments:

PART C - NONRADIOLOGICAL CONTAMINANTS - Additional information or explanations:

PART D - RADIOLOGICAL CONTAMINANTS - Additional information or explanations:

Basis for uncertainty is discussed in TAN section of document text.

PART E - SOURCES OF INFORMATION AND UNCERTAINTIES

Type of source information:	Generator forecasts	Reports
X RWMIS	Other database	Interview
Sample analysis data	Expert judgment	Operating records
	Other:	

Details concerning source:  
 Do the estimates of contaminant quantities represent: Best estimate | Worst case | Other: B  
 If other than best estimate, why?:

Do the data conflict with RWMIS?: Y Scaling factors were applied where appropriate as explained in text document.  
 Major unknowns in inventories of contaminants:  
 Key assumptions used to deal with the unknowns:

CONTINUATION

Continuation of Part: Column or Question Number or Title:

Footnotes:

\* Units: cubic feet (FT) | gallons (GL) | grams (GM) | pounds (LB) | cubic meters (M) | unknown (U)

Waste Stream: TAN-623-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
AG-110M	T	2.168E-05	Ci	1997	1997	N	N			1.3008E-04	
						Basis for Uncertainty: See additional information Physical Form: Unknown					
AM-241	T	8.520E-07	Ci	1997	1997	N	N			5.1100E-06	
						Basis for Uncertainty: See additional information Physical Form: Unknown					
C-14	T	2.790E-08	Ci	1997	1997	N	N			1.6000E-07	
						Basis for Uncertainty: See additional information Physical Form: Unknown					
CE-144	T	2.880E-05	Ci	1997	1997	N	N			1.7280E-04	
						Basis for Uncertainty: See additional information Physical Form: Unknown					
CM-242	T	1.526E-05	Ci	1997	1997	N	N			9.1560E-05	
						Basis for Uncertainty: See additional information Physical Form: Unknown					
CM-244	T	5.920E-07	Ci	1997	1997	N	N			3.5500E-06	
						Basis for Uncertainty: See additional information Physical Form: Unknown					

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PART D - RADIOLOGICAL CONTAMINANTS

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Waste Stream: TAN-623-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
CO-58	T	2.315E-05	Ci	1997	1997	N	N				1.3890E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
CO-60	T	1.484E-04	Ci	1997	1997	N	N				2.9680E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
CR-51	T	1.085E-05	Ci	1997	1997	N	N				6.5080E-05
Basis for Uncertainty: See additional information Physical Form: Unknown											
CS-134	T	2.656E-06	Ci	1997	1997	N	N				1.5930E-05
Basis for Uncertainty: See additional information Physical Form: Unknown											
CS-137	T	8.000E-04	Ci	1997	1997	N	N				1.6000E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
EU-152	T	1.568E-06	Ci	1997	1997	N	N				9.4000E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: TAN-623-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
EU-154	T	5.872E-06	Ci	1997	1997	N	N				3.5230E-05
						Basis for Uncertainty: See additional information Physical Form: Unknown Chemical Form: Unknown					
EU-155	T	1.888E-07	Ci	1997	1997	N	N				1.1300E-06
						Basis for Uncertainty: See additional information Physical Form: Unknown Chemical Form: Unknown					
FE-55	T	2.063E-04	Ci	1997	1997	N	N				4.1255E-04
						Basis for Uncertainty: See additional information Physical Form: Unknown Chemical Form: Unknown					
H-3	T	8.147E-05	Ci	1997	1997	N	N				4.8882E-04
						Basis for Uncertainty: See additional information Physical Form: Unknown Chemical Form: Unknown					
I-129	T	5.410E-09	Ci	1997	1997	N	N				3.0000E-08
						Basis for Uncertainty: See additional information Physical Form: Unknown Chemical Form: Unknown					
MN-54	T	3.814E-07	Ci	1997	1997	N	N				2.2800E-06
						Basis for Uncertainty: See additional information Physical Form: Unknown Chemical Form: Unknown					

Waste Stream: TAN-623-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
NB-94	T	7.950E-09	Ci	1997	1997	N	N				4.0000E-08
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
NI-59	T	2.241E-07	Ci	1997	1997	N	N				1.3400E-06
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
NI-63	T	1.885E-04	Ci	1997	1997	N	N				3.7693E-04
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
PU-238	T	2.527E-05	Ci	1997	1997	N	N				1.5160E-04
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
PU-239	T	3.028E-05	Ci	1997	1997	N	N				1.8168E-04
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
PU-240	T	3.028E-05	Ci	1997	1997	N	N				1.8168E-04
Basis for Uncertainty: See additional information											
Physical Form: Unknown											

Waste Stream: TAN-623-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
PU-241	T	2.104E-02	Ci	1997	1997	N	N				1.2627E-01
						Basis for Uncertainty: See additional information Physical Form: Unknown					
RU-106	T	4.632E-07	Ci	1997	1997	N	N				2.7700E-06
						Basis for Uncertainty: See additional information Physical Form: Unknown					
SB-125	T	2.872E-05	Ci	1997	1997	N	N				1.7232E-04
						Basis for Uncertainty: See additional information Physical Form: Unknown					
SR-90	T	3.296E-03	Ci	1997	1997	N	N				1.9776E-02
						Basis for Uncertainty: See additional information Physical Form: Unknown					
TC-99	T	3.250E-07	Ci	1997	1997	N	N				1.9400E-06
						Basis for Uncertainty: See additional information Physical Form: Unknown					
TH-228	T	1.983E-05	Ci	1997	1997	N	N				1.9830E-05
						Basis for Uncertainty: See additional information Physical Form: Unknown					

Waste Stream: TAN-623-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
TH-230	T	1.104E-05	Ci	1997	1997	N	N				1.1040E-05
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
TH-232	T	1.503E-05	Ci	1997	1997	N	N				1.5030E-05
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
U-234	T	8.760E-04	Ci	1997	1997	N	N				8.7600E-04
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
U-235	T	3.056E-06	Ci	1997	1997	N	N				3.0500E-06
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
U-236	T	3.270E-09	Ci	1997	1997	N	N				
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
U-238	T	3.280E-05	Ci	1997	1997	N	N				3.2800E-05
Basis for Uncertainty: See additional information											
Physical Form: Unknown											

Footnotes:

- \* and standard deviation in the next column. If not, mark N and give minimum value and maximum values in the next column
- \*\* For the projected waste streams, mark Y if forecast document was used. If not, mark N. This column is not used for the recent or historical waste streams.

PART A - GENERAL INFORMATION

(1) Preparer: ML (2) Date Prepared: 02/13/01  
 (3,4,5,6) Waste Stream: TAN-650-1 LOFT MTA shield tank and double railroad car dolly.  
 (7) Type of Radioactive Waste: Low level | Non-radioactive | Transuranic or suspect transuranic: L  
 (8) Actual Years disposed of at SDA: Starting year: 1998 Ending year: 1998 Annual or Total over all years: T  
 (9) Waste stream volume: 123.46125 Units\*: M Container or Waste volume: C  
 (10) Comments:

PART B - WASTE STREAM CHARACTERISTICS

(1) General physical form: 53 Metal -- steel, carbon.  
 (2) Details on physical form:  
 (3) Chemical form:  
 (4) Inner packaging: Plastic Bag | Plastic Liner | Metal Liner | None | Other | Unknown:  
 (5) Waste container type: BA  
 (6) Other characteristics of interest:  
 (7) Comments:

PART C - NONRADIOLOGICAL CONTAMINANTS - Additional information or explanations:

PART D - RADIOLOGICAL CONTAMINANTS - Additional information or explanations:

Basis for uncertainty is discussed in TAN section of document text.

PART E - SOURCES OF INFORMATION AND UNCERTAINTIES

Type of source information:	Generator forecasts	Reports
X RWMIS	Other database	Interview
Sample analysis data	Expert judgment	Operating records
	Other:	

Details concerning source:  
 Do the estimates of contaminant quantities represent: Best estimate | Worst case | Other: B  
 If other than best estimate, why?:

Do the data conflict with RWMIS?: Y Scaling factors were applied where appropriate as explained in text document.  
 Major unknowns in inventories of contaminants:  
 Key assumptions used to deal with the unknowns:

CONTINUATION  
 Continuation of Part: Column or Question Number or Title:

Footnotes:

\* Units: cubic feet (FT) | gallons (GL) | grams (GM) | pounds (LB) | cubic meters (M) | unknown (U)

Waste Stream: TAN-650-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
AG-110M	T	8.542E-03	Ci	1998	1998	N	N				5.1255E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
BA-137M	T	2.996E-01	Ci	1998	1998	N	N				1.7978E+00
Basis for Uncertainty: See additional information Physical Form: Unknown											
C-14	T	2.722E-05	Ci	1998	1998	N	N				1.6332E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
CE-144	T	1.135E-02	Ci	1998	1998	N	N				6.8087E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
CO-58	T	2.259E-02	Ci	1998	1998	N	N				1.3553E-01
Basis for Uncertainty: See additional information Physical Form: Unknown											
CO-60	T	1.448E-01	Ci	1998	1998	N	N				2.8959E-01
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: TAN-650-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
CR-51	T	1.058E-02	Ci	1998	1998	N	N				6.3507E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
CS-134	T	1.046E-03	Ci	1998	1998	N	N				6.2792E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
CS-137	T	3.152E-01	Ci	1998	1998	N	N				6.3044E-01
Basis for Uncertainty: See additional information Physical Form: Unknown											
EU-152	T	6.178E-04	Ci	1998	1998	N	N				3.7070E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
EU-154	T	2.314E-03	Ci	1998	1998	N	N				1.3882E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
EU-155	T	7.439E-05	Ci	1998	1998	N	N				4.4635E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											

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PART D - RADIOLOGICAL CONTAMINANTS

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Waste Stream: TAN-650-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
FE-55	T	2.301E-01	Ci	1998	1998	N	N				4.6013E-01
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
H-3	T	7.949E-02	Ci	1998	1998	N	N				4.7695E-01
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
I-129	T	2.131E-06	Ci	1998	1998	N	N				1.2780E-05
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
MN-54	T	3.721E-04	Ci	1998	1998	N	N				2.2327E-03
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
NB-94	T	7.761E-06	Ci	1998	1998	N	N				4.6560E-05
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
NI-59	T	2.186E-04	Ci	1998	1998	N	N				1.3118E-03
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											

Waste Stream: TAN-650-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
NI-63	T	2.373E-01	Ci	1998	1998	N	N				4.7460E-01
						Basis for Uncertainty: See additional information					
						Physical Form: Unknown					
						Chemical Form: Unknown					
RU-106	T	1.825E-04	Ci	1998	1998	N	N				1.0951E-03
						Basis for Uncertainty: See additional information					
						Physical Form: Unknown					
						Chemical Form: Unknown					
SB-125	T	1.132E-02	Ci	1998	1998	N	N				6.7898E-02
						Basis for Uncertainty: See additional information					
						Physical Form: Unknown					
						Chemical Form: Unknown					
SR-90	T	1.073E-04	Ci	1998	1998	N	N				6.4371E-04
						Basis for Uncertainty: See additional information					
						Physical Form: Unknown					
						Chemical Form: Unknown					
TC-99	T	3.171E-04	Ci	1998	1998	N	N				1.9026E-03
						Basis for Uncertainty: See additional information					
						Physical Form: Unknown					
						Chemical Form: Unknown					
Y-90	T	1.073E-04	Ci	1998	1998	N	N				6.4371E-04
						Basis for Uncertainty: See additional information					
						Physical Form: Unknown					
						Chemical Form: Unknown					

Footnotes:

- \* and standard deviation in the next column. If not, mark N and give minimum value and maximum values in the next column
- \*\* For the projected waste streams, mark Y if forecast document was used. If not, mark N. This column is not used for the recent or historical waste streams.

PART A - GENERAL INFORMATION

- (1) Preparer: ML
- (2) Date Prepared: 02/13/01
- (3,4,5,6) Waste Stream: TAN-726-1 D&D material from TAN 726
- (7) Type of Radioactive Waste: Low level | Non-radioactive | Transuranic or suspect transuranic: L
- (8) Actual years disposed of at SDA: Starting year: 1997 Ending year: 1997 Annual or Total over all years: T
- (9) Waste stream volume: 12.68590 Units\*: M Container or Waste volume: C
- (10) Comments:

PART B - WASTE STREAM CHARACTERISTICS

- (1) General physical form: 53 12, wood, wiring & wiring devices.
- (2) Details on physical form:
- (3) Chemical form:
- (4) Inner packaging: Plastic Bag | Plastic Liner | Metal Liner | None | Other | Unknown: PL
- (5) Waste container type: CW
- (6) Other characteristics of interest:
- (7) Comments:

PART C - NONRADIOLOGICAL CONTAMINANTS - Additional information or explanations:

PART D - RADIOLOGICAL CONTAMINANTS - Additional information or explanations:

Basis for uncertainty is discussed in TAN section of document text.

PART E - SOURCES OF INFORMATION AND UNCERTAINTIES

Type of source information:  
 X RWMIS                    Generator forecasts                    Reports  
   Sample analysis data    Other database                    Interview  
                               Expert judgment                    Operating records  
                               Other:

Details concerning source:  
 Do the estimates of contaminant quantities represent: Best estimate | Worst case | Other:                    B

If other than best estimate, why?:

Do the data conflict with RWMIS?:    Y    Scaling factors were applied where appropriate as explained in text document.  
 Major unknowns in inventories of contaminants:  
 Key assumptions used to deal with the unknowns:

CONTINUATION

Continuation of Part:                    Column or Question Number or Title:

Footnotes:

\*    Units: cubic feet (FT) | gallons (GL) | grams (GM) | pounds (LB) | cubic meters (M) | unknown (U)

Waste Stream: TAN-726-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
AG-110M	T	3.256E-03	Ci	1997	1997	N	N				1.9536E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
C-14	T	2.653E-06	Ci	1997	1997	N	N				1.5910E-05
Basis for Uncertainty: See additional information Physical Form: Unknown											
CE-144	T	4.325E-03	Ci	1997	1997	N	N				2.5952E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
CO-58	T	2.202E-03	Ci	1997	1997	N	N				1.3210E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
CO-60	T	1.411E-02	Ci	1997	1997	N	N				2.8227E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
CR-51	T	1.032E-03	Ci	1997	1997	N	N				6.1902E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											

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PART D - RADIOLOGICAL CONTAMINANTS

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Waste Stream: TAN-726-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
CS-134	T	5.156E-04	Ci	1997	1997	N	N				3.0935E-03
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
CS-137	T	1.201E-01	Ci	1997	1997	N	N				2.4030E-01
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
EU-152	T	2.355E-04	Ci	1997	1997	N	N				1.4129E-03
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
EU-154	T	8.819E-04	Ci	1997	1997	N	N				5.2913E-03
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
EU-155	T	2.835E-05	Ci	1997	1997	N	N				1.7012E-04
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
FE-55	T	1.962E-02	Ci	1997	1997	N	N				3.9235E-02
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											

Waste Stream: TAN-726-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
H-3	T	7.748E-03	Ci	1997	1997	N	N				4.6490E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
I-129	T	8.122E-07	Ci	1997	1997	N	N				4.8700E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											
MN-54	T	3.627E-05	Ci	1997	1997	N	N				2.1762E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
NB-94	T	7.565E-07	Ci	1997	1997	N	N				4.5300E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											
NI-59	T	2.131E-05	Ci	1997	1997	N	N				1.2786E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
NI-63	T	1.792E-02	Ci	1997	1997	N	N				3.5848E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: TAN-726-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
RU-106	T	6.956E-05	Ci	1997	1997	N	N				4.1739E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
SB-125	T	4.313E-03	Ci	1997	1997	N	N				2.5880E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
SR-90	T	4.950E-01	Ci	1997	1997	N	N				2.9700E+00
Basis for Uncertainty: See additional information Physical Form: Unknown											
TC-99	T	3.091E-05	Ci	1997	1997	N	N				1.8545E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											

Footnotes:

\* and standard deviation in the next column. If not, mark N and give minimum value and maximum value.es in the next column

\*\* For the projected waste streams, mark Y if forecast document was used. If not, mark N. This column is not used for the recent or historical waste streams.

PART A - GENERAL INFORMATION

(1) Preparer: ML (2) Date Prepared: 02/13/01  
 (3,4,5,6) Waste Stream: TAN-CTS-1 Contaminated soil.  
 (7) Type of Radioactive Waste: Low level | Non-radioactive | Transuranic or suspect transuranic: L  
 (8) Actual years disposed of at SDA: Starting year: 1994 Ending year: 1994 Annual or Total over all years: T  
 (9) Waste stream volume: 1.80000 Units\*: M Container or Waste volume: C  
 (10) Comments:

PART B - WASTE STREAM CHARACTERISTICS

(1) General physical form: 43  
 (2) Details on physical form:  
 (3) Chemical form:  
 (4) Inner packaging: Plastic Bag | Plastic Liner | Metal Liner | NONE | Other | Unknown: PL  
 (5) Waste container type: PB3  
 (6) Other characteristics of interest:  
 (7) Comments:

PART C - NONRADIOLOGICAL CONTAMINANTS - Additional information or explanations:

PART D - RADIOLOGICAL CONTAMINANTS - Additional information or explanations:

Basis for uncertainty is discussed in TAN section of document text.

PART E - SOURCES OF INFORMATION AND UNCERTAINTIES

Type of source information:	Generator forecasts	Reports
X RWMIS	Other database	Interview
Sample analysis data	Expert judgment	Operating records
	Other:	

Details concerning source:  
 Do the estimates of contaminant quantities represent: Best estimate | Worst case | Other: B

If other than best estimate, why?:

Do the data conflict with RWMIS?: Y    Scaling factors were applied where appropriate as explained in text document.  
 Major unknowns in inventories of contaminants:  
 Key assumptions used to deal with the unknowns:

CONTINUATION

Continuation of Part:                    Column or Question Number or Title:

Footnotes:

\*    Units: cubic feet (FT) | gallons (GL) | grams (GM) | pounds (LB) | cubic meters (M) | unknown (U)

Waste Stream: TAN-CTS-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
AG-110M	T	5.219E-04	Ci	1994	1994	N	N				3.1317E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
C-14	T	8.460E-09	Ci	1994	1994	N	N				5.0000E-08
Basis for Uncertainty: See additional information Physical Form: Unknown											
CE-144	T	6.934E-04	Ci	1994	1994	N	N				4.1602E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
CO-58	T	7.020E-06	Ci	1994	1994	N	N				4.2120E-05
Basis for Uncertainty: See additional information Physical Form: Unknown											
CO-60	T	4.500E-05	Ci	1994	1994	N	N				9.0000E-05
Basis for Uncertainty: See additional information Physical Form: Unknown											
CR-51	T	3.290E-06	Ci	1994	1994	N	N				1.9730E-05
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: TAN-CTS-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
CS-134	T	6.394E-05	Ci	1994	1994	N	N				3.8365E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
CS-137	T	1.926E-02	Ci	1994	1994	N	N				3.8520E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
EU-152	T	3.775E-05	Ci	1994	1994	N	N				2.2649E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
EU-154	T	1.414E-04	Ci	1994	1994	N	N				8.4821E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
EU-155	T	4.545E-06	Ci	1994	1994	N	N				2.7270E-05
Basis for Uncertainty: See additional information Physical Form: Unknown											
FE-55	T	6.255E-05	Ci	1994	1994	N	N				1.2510E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: TAN-CTS-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
H-3	T	2.470E-05	Ci	1994	1994	N	N				1.4823E-04
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
I-129	T	1.302E-07	Ci	1994	1994	N	N				7.8000E-07
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
MN-54	T	1.156E-07	Ci	1994	1994	N	N				6.9000E-07
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
NB-94	T	2.410E-09	Ci	1994	1994	N	N				1.0000E-08
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
NI-59	T	6.795E-08	Ci	1994	1994	N	N				4.0000E-07
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
NI-63	T	5.715E-05	Ci	1994	1994	N	N				1.1430E-04
Basis for Uncertainty: See additional information											
Physical Form: Unknown											

Waste Stream: TAN-CTS-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
RU-106	T	1.115E-05	Ci	1994	1994	N	N				6.6900E-05
Basis for Uncertainty: See additional information Physical Form: Unknown											
SB-125	T	6.914E-04	Ci	1994	1994	N	N				4.1486E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
SR-90	T	1.926E-02	Ci	1994	1994	N	N				1.1556E-01
Basis for Uncertainty: See additional information Physical Form: Unknown											
TC-99	T	9.855E-08	Ci	1994	1994	N	N				5.9000E-07
Basis for Uncertainty: See additional information Physical Form: Unknown											

Footnotes:

\* and standard deviation in the next column. If not, mark N and give minimum value and maximum value.es in the next column

\*\* For the projected waste streams, mark Y if forecast document was used. If not, mark N. This column is not used for the recent or historical waste streams.

## PART A - GENERAL INFORMATION

(1) Preparer: ML  
 (3,4,5,6) Waste Stream: TAN-DFN-1  
 (2) Date Prepared: 02/13/01  
 TAN Decon Shop - radioactive contaminated asbestos, HEPA filters, and metal chips or miscellaneous small metal objects.  
 (7) Type of Radioactive Waste: Low level | Non-radioactive | Transuranic or suspect transuranic: L  
 (8) Actual years disposed of at SDA: Starting year: 1994 Ending year: 1994 Annual or Total over all years: T  
 (9) Waste stream volume: 76.10000 Units\*: M Container or Waste volume: C  
 (10) Comments:

## PART B - WASTE STREAM CHARACTERISTICS

(1) General physical form: 47 22, 10  
 (2) Details on physical form:  
 (3) Chemical form:  
 (4) Inner packaging: Plastic Bag | Plastic Liner | Metal Liner | None | Other | Unknown: PL  
 (5) Waste container type: BXW  
 (6) Other characteristics of interest:  
 (7) Comments:

## PART C - NONRADIOLOGICAL CONTAMINANTS - Additional information or explanations:

Basis for uncertainty is discussed in TAN section of document text.

## PART D - RADIOLOGICAL CONTAMINANTS - Additional information or explanations:

Basis for uncertainty is discussed in TAN section of document text.

PART E - SOURCES OF INFORMATION AND UNCERTAINTIES

Type of source information:  
 X RWMIS                      Generator forecasts                      Reports  
    Other database                      Interview  
    Expert judgment                      Operating records  
    Sample analysis data                      Other:

Details concerning source:  
 Do the estimates of contaminant quantities represent: Best estimate | Worst case | Other:                      B  
 If other than best estimate, why?:

Do the data conflict with RWMIS?:                      Y                      Scaling factors were applied where appropriate as explained in text document.  
 Major unknowns in inventories of contaminants:  
 Key assumptions used to deal with the unknowns:

CONTINUATION  
 Continuation of Part:                      Column or Question Number or Title:

Footnotes:

\*    Units: cubic feet (FT) | gallons (GL) | grams (GM) | pounds (LB) | cubic meters (M) | unknown (U)

Waste Stream: TAN-DFN-1

CAS Number	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
1332-21-4	T	1.390E+04	Gm	1994	1994	N	N			1.3900E+04	2.0850E+04

Asbestos

Basis for Uncertainty: See additional information.  
 Physical Form: Unknown

Chemical Form: Unknown

Footnotes:

- \* If sample data are available, mark Y in the column titled "Samples?" and provide the number of samples in the next column and standard deviation in the next column. If not, mark N and give minimum value and maximum value.
- \*\* For the projected waste streams, mark Y if forecast document was used. If not, mark N. This column is not used for the recent or historical waste streams.

Waste Stream: TAN-DFN-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Num. of Samples Y/N*	Std Dev	Minimum Value	Maximum Value
AG-108M	T	0.000E+00	Ci	1994	1994	N	N			
Basis for Uncertainty: See additional information Physical Form: Unknown										
AG-110M	T	7.397E-07	Ci	1994	1994	N	N			4.4400E-06
Basis for Uncertainty: See additional information Physical Form: Unknown										
AM-241	T	6.354E-05	Ci	1994	1994	N	N			3.8121E-04
Basis for Uncertainty: See additional information Physical Form: Unknown										
C-14	T	1.035E-08	Ci	1994	1994	N	N			
Basis for Uncertainty: See additional information Physical Form: Unknown										
CE-144	T	2.493E-06	Ci	1994	1994	N	N			1.5000E-05
Basis for Uncertainty: See additional information Physical Form: Unknown										
CM-242	T	1.689E-05	Ci	1994	1994	N	N			1.0140E-04
Basis for Uncertainty: See additional information Physical Form: Unknown										

Waste Stream: TAN-DFN-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
CM-244	T	2.238E-06	Ci	1994	1994	N	N				1.3430E-05
						Basis for Uncertainty: See additional information Physical Form: Unknown					
CO-58	T	8.586E-06	Ci	1994	1994	N	N				5.1520E-05
						Basis for Uncertainty: See additional information Physical Form: Unknown					
CO-60	T	5.504E-05	Ci	1994	1994	N	N				1.1010E-04
						Basis for Uncertainty: See additional information Physical Form: Unknown					
CR-51	T	4.023E-06	Ci	1994	1994	N	N				2.4140E-05
						Basis for Uncertainty: See additional information Physical Form: Unknown					
CS-134	T	1.725E-07	Ci	1994	1994	N	N				
						Basis for Uncertainty: See additional information Physical Form: Unknown					
CS-137	T	6.926E-05	Ci	1994	1994	N	N				1.3850E-04
						Basis for Uncertainty: See additional information Physical Form: Unknown					

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PART D - RADIOLOGICAL CONTAMINANTS

08/26/02

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Waste Stream: TAN-DFN-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
EU-152	T	2.087E-08	Ci	1994	1994	N	N				
Basis for Uncertainty: See additional information Physical Form: Unknown											
EU-154	T	3.823E-07	Ci	1994	1994	N	N				2.2900E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											
EU-155	T	2.520E-09	Ci	1994	1994	N	N				2.0000E-08
Basis for Uncertainty: See additional information Physical Form: Unknown											
FB-55	T	7.651E-05	Ci	1994	1994	N	N				1.5300E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
H-3	T	3.022E-05	Ci	1994	1994	N	N				1.8130E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
I-129	T	4.700E-10	Ci	1994	1994	N	N				
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: TAN-DFN-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
K-40	T	2.000E-11	Ci	1994	1994	N	N				
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
MN-54	T	1.028E-07	Ci	1994	1994	N	N				6.2000E-07
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
NB-94	T	2.950E-09	Ci	1994	1994	N	N				2.0000E-08
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
NI-59	T	8.311E-08	Ci	1994	1994	N	N				5.0000E-07
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
NI-63	T	6.990E-05	Ci	1994	1994	N	N				1.3980E-04
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
PU-238	T	2.878E-05	Ci	1994	1994	N	N				1.7268E-04
Basis for Uncertainty: See additional information											
Physical Form: Unknown											

Waste Stream: TAN-DFN-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
PU-239	T	3.352E-05	Ci	1994	1994	N	N				2.0112E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
PU-240	T	4.626E-05	Ci	1994	1994	N	N				2.7754E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
PU-241	T	2.330E-02	Ci	1994	1994	N	N				1.3978E-01
Basis for Uncertainty: See additional information Physical Form: Unknown											
RU-106	T	4.010E-08	Ci	1994	1994	N	N				2.4000E-07
Basis for Uncertainty: See additional information Physical Form: Unknown											
SB-125	T	3.823E-07	Ci	1994	1994	N	N				2.2900E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											
SR-90	T	4.388E-05	Ci	1994	1994	N	N				2.6330E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: TAN-DFN-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
TC-99	T	1.205E-07	Ci	1994	1994	N	N				7.2000E-07
Basis for Uncertainty: See additional information Physical Form: Unknown											
TH-228	T	8.447E-06	Ci	1994	1994	N	N				8.4500E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											
TH-230	T	4.431E-07	Ci	1994	1994	N	N				4.4000E-07
Basis for Uncertainty: See additional information Physical Form: Unknown											
TH-232	T	1.646E-05	Ci	1994	1994	N	N				1.6450E-05
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-234	T	5.890E-06	Ci	1994	1994	N	N				5.8900E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-235	T	8.347E-06	Ci	1994	1994	N	N				8.3400E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: TAN-DFN-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
U-236	T	3.600E-09	Ci	1994	1994	N	N				
U-238	T	1.412E-04	Ci	1994	1994	N	N				1.4121E-04
ZR-95	T	0.000E+00	Ci	1994	1994	N	N				

Basis for Uncertainty: See additional information  
 Physical Form: Unknown  
 Chemical Form: Unknown

Basis for Uncertainty: See additional information  
 Physical Form: Unknown  
 Chemical Form: Unknown

Basis for Uncertainty: See additional information  
 Physical Form: Unknown  
 Chemical Form: Unknown

Footnotes:

- \* and standard deviation in the next column. If not, mark N and give minimum value and maximum value.es in the next column
- \*\* For the projected waste streams, mark Y if forecast document was used. If not, mark N. This column is not used for the recent or historical waste streams.

PART A - GENERAL INFORMATION

(1) Preparer: ML (2) Date Prepared: 02/13/01  
 (3,4,5,6) Waste Stream: TAN-DRC-1 Dry Rod Consolidation Project Mock Fuel Assemblies. (metal -- steel, carbon & metal assemblies).  
 (7) Type of Radioactive Waste: Low level | Non-radioactive | Transuranic or suspect transuranic: L  
 (8) Actual years disposed of at SDA: Starting year: 1994 Ending year: 1994 Annual or Total over all years: T  
 (9) Waste stream volume: 3.60000 Units\*: M Container or Waste volume: C  
 (10) Comments:

PART B - WASTE STREAM CHARACTERISTICS

(1) General physical form: 10  
 (2) Details on physical form:  
 (3) Chemical form:  
 (4) Inner packaging: Plastic Bag | Plastic Liner | Metal Liner | None | Other | Unknown: PL  
 (5) Waste container type: RDL  
 (6) Other characteristics of interest:  
 (7) Comments:

PART C - NONRADIOLOGICAL CONTAMINANTS - Additional information or explanations:

PART D - RADIOLOGICAL CONTAMINANTS - Additional information or explanations:

Basis for uncertainty is discussed in TAN section of document text.

PART E - SOURCES OF INFORMATION AND UNCERTAINTIES

Type of source information:	Generator forecasts	Reports
X RWMIS	Other database	Interview
Sample analysis data	Expert judgment	Operating records
	Other:	

Details concerning source:  
 Do the estimates of contaminant quantities represent: Best estimate | Worst case | Other: B  
 If other than best estimate, why?:

Do the data conflict with RWMIS?: Y Scaling factors were applied where appropriate as explained in text document.  
 Major unknowns in inventories of contaminants:  
 Key assumptions used to deal with the unknowns:

CONTINUATION

Continuation of Part: Column or Question Number or Title:

Footnotes:

\* Units: cubic feet (FT) | gallons (GL) | grams (GM) | pounds (LB) | cubic meters (M) | unknown (U)

Waste Stream: TAN-DRC-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
AG-110M	T	4.065E-07	Ci	1994	1994	N	N				2.4300E-06
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
C-14	T	2.200E-08	Ci	1994	1994	N	N				1.3000E-07
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
CE-144	T	5.400E-07	Ci	1994	1994	N	N				3.2400E-06
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
CO-58	T	1.825E-05	Ci	1994	1994	N	N				1.0951E-04
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
CO-60	T	1.170E-04	Ci	1994	1994	N	N				2.3400E-04
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
CR-51	T	8.553E-06	Ci	1994	1994	N	N				5.1310E-05
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											

Waste Stream: TAN-DRC-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
CS-134	T	4.980E-08	Ci	1994	1994	N	N				2.9000E-07
Basis for Uncertainty: See additional information Physical Form: Unknown											
CS-137	T	1.500E-05	Ci	1994	1994	N	N				3.0000E-05
Basis for Uncertainty: See additional information Physical Form: Unknown											
EU-152	T	2.940E-08	Ci	1994	1994	N	N				1.7000E-07
Basis for Uncertainty: See additional information Physical Form: Unknown											
EU-154	T	1.101E-07	Ci	1994	1994	N	N				6.6000E-07
Basis for Uncertainty: See additional information Physical Form: Unknown											
EU-155	T	3.540E-09	Ci	1994	1994	N	N				2.0000E-08
Basis for Uncertainty: See additional information Physical Form: Unknown											
FE-55	T	1.626E-04	Ci	1994	1994	N	N				3.2526E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: TAN-DRC-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
H-3	T	6.423E-05	Ci	1994	1994	N	N				3.8539E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
I-129	T	1.000E-10	Ci	1994	1994	N	N				
Basis for Uncertainty: See additional information Physical Form: Unknown											
MN-54	T	3.007E-07	Ci	1994	1994	N	N				1.8000E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											
NB-94	T	6.270E-09	Ci	1994	1994	N	N				3.0000E-08
Basis for Uncertainty: See additional information Physical Form: Unknown											
NI-59	T	1.767E-07	Ci	1994	1994	N	N				1.0600E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											
NI-63	T	1.486E-04	Ci	1994	1994	N	N				2.9718E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: TAN-DRC-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
RU-106	T	8.690E-09	Ci	1994	1994	N	N				5.0000E-08
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
SB-125	T	5.385E-07	Ci	1994	1994	N	N				3.2300E-06
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
SR-90	T	7.680E-05	Ci	1994	1994	N	N				4.6080E-04
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
TC-99	T	2.562E-07	Ci	1994	1994	N	N				1.5300E-06
Basis for Uncertainty: See additional information											
Physical Form: Unknown											

Footnotes:

\* and standard deviation in the next column. If not, mark N and give minimum value and maximum value.es in the next column

\*\* For the projected waste streams, mark Y if forecast document was used. If not, mark N. This column is not used for the recent or historical waste streams.

PART A - GENERAL INFORMATION

- (1) Preparer: ML (2) Date Prepared: 02/13/01
- (3,4,5,6) Waste Stream: TAN-GWT-1 Generated low level non-hazardous waste ion exchange resin in metal containment.
- (7) Type of Radioactive Waste: Low level | Non-radioactive | Transuranic or suspect transuranic: L
- (8) Actual years disposed of at SDA: Starting year: 1995 Ending year: 1995 Annual or Total over all years: T
- (9) Waste stream volume: 2.70400 Units\*: M Container or Waste volume: C
- (10) Comments:

PART B - WASTE STREAM CHARACTERISTICS

- (1) General physical form: 12
- (2) Details on physical form: Ion exchange resin in metal containment.
- (3) Chemical form:
- (4) Inner packaging: Plastic Bag | Plastic Liner | Metal Liner | None | Other | Unknown: PL
- (5) Waste container type: RDL
- (6) Other characteristics of interest:
- (7) Comments:

PART C - NONRADIOLOGICAL CONTAMINANTS - Additional information or explanations:

PART D - RADIOLOGICAL CONTAMINANTS - Additional information or explanations:

Basis for uncertainty is discussed in TAN section of document text.

PART E - SOURCES OF INFORMATION AND UNCERTAINTIES

Type of source information:	Generator forecasts	Reports
X RWMIS	Other database	Interview
Sample analysis data	Expert judgment	Operating records
	Other:	

Details concerning source:

Do the estimates of contaminant quantities represent: Best estimate | Worst case | Other: B

If other than best estimate, why?:

Do the data conflict with RWMIS?: Y Scaling factors were applied where appropriate as explained in text document.  
 Major unknowns in inventories of contaminants:  
 Key assumptions used to deal with the unknowns:

CONTINUATION

Continuation of Part: Column or Question Number or Title:

Footnotes:

\* Units: cubic feet (FT) | gallons (GL) | grams (GM) | pounds (LB) | cubic meters (M) | unknown (U)

Waste Stream: TAN-GWT-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
AG-110M	T	2.446E-05	Ci	1995	1995	N	N				1.4674E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
AM-241	T	3.820E-09	Ci	1995	1995	N	N				2.0000E-08
Basis for Uncertainty: See additional information Physical Form: Unknown											
C-14	T	3.300E-10	Ci	1995	1995	N	N				
Basis for Uncertainty: See additional information Physical Form: Unknown											
CE-144	T	3.249E-05	Ci	1995	1995	N	N				1.9494E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
CM-242	T	3.755E-08	Ci	1995	1995	N	N				2.2000E-07
Basis for Uncertainty: See additional information Physical Form: Unknown											
CM-244	T	1.065E-08	Ci	1995	1995	N	N				6.0000E-08
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: TAN-GWT-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
CO-58	T	2.743E-07	Ci	1995	1995	N	N				1.6400E-06
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
CO-60	T	1.758E-06	Ci	1995	1995	N	N				3.5100E-06
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
CR-51	T	1.285E-07	Ci	1995	1995	N	N				7.7000E-07
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
CS-134	T	2.996E-06	Ci	1995	1995	N	N				1.7970E-05
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
CS-137	T	9.025E-04	Ci	1995	1995	N	N				1.8050E-03
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
EU-152	T	1.769E-06	Ci	1995	1995	N	N				1.0610E-05
Basis for Uncertainty: See additional information											
Physical Form: Unknown											

Waste Stream: TAN-GWT-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
EU-154	T	6.624E-06	Ci	1995	1995	N	N				3.9740E-05
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
EU-155	T	2.130E-07	Ci	1995	1995	N	N				1.2700E-06
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
FE-55	T	2.444E-06	Ci	1995	1995	N	N				4.8800E-06
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
H-3	T	1.474E-06	Ci	1995	1995	N	N				8.8400E-06
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
I-129	T	6.100E-09	Ci	1995	1995	N	N				3.0000E-08
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
K-40	T	7.750E-07	Ci	1995	1995	N	N				4.6500E-06
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											

Waste Stream: TAN-GWT-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Num. of Samples Y/N*	Std Dev	Minimum Value	Maximum Value
MN-54	T	4.520E-09	Ci	1995	1995	N	N			2.0000E-08
Basis for Uncertainty: See additional information										
Physical Form: Unknown										
Chemical Form: Unknown										
NB-94	T	9.000E-11	Ci	1995	1995	N	N			
Basis for Uncertainty: See additional information										
Physical Form: Unknown										
Chemical Form: Unknown										
NI-59	T	2.660E-09	Ci	1995	1995	N	N			1.0000E-08
Basis for Uncertainty: See additional information										
Physical Form: Unknown										
Chemical Form: Unknown										
NI-63	T	2.233E-06	Ci	1995	1995	N	N			4.4600E-06
Basis for Uncertainty: See additional information										
Physical Form: Unknown										
Chemical Form: Unknown										
PU-238	T	2.100E-08	Ci	1995	1995	N	N			1.2000E-07
Basis for Uncertainty: See additional information										
Physical Form: Unknown										
Chemical Form: Unknown										
PU-239	T	7.450E-08	Ci	1995	1995	N	N			4.4000E-07
Basis for Uncertainty: See additional information										
Physical Form: Unknown										
Chemical Form: Unknown										

Waste Stream: TAN-GWT-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
PU-240	T	1.028E-07	Ci	1995	1995	N	N				6.1000E-07
						Basis for Uncertainty: See additional information Physical Form: Unknown					
PU-241	T	5.178E-05	Ci	1995	1995	N	N				3.1066E-04
						Basis for Uncertainty: See additional information Physical Form: Unknown					
RU-106	T	5.226E-07	Ci	1995	1995	N	N				3.1300E-06
						Basis for Uncertainty: See additional information Physical Form: Unknown					
SB-125	T	3.240E-05	Ci	1995	1995	N	N				1.9439E-04
						Basis for Uncertainty: See additional information Physical Form: Unknown					
SR-90	T	8.518E-04	Ci	1995	1995	N	N				5.1108E-03
						Basis for Uncertainty: See additional information Physical Form: Unknown					
TC-99	T	3.850E-09	Ci	1995	1995	N	N				2.0000E-08
						Basis for Uncertainty: See additional information Physical Form: Unknown					

Waste Stream: TAN-GWT-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
TH-228	T	3.560E-08	Ci	1995	1995	N	N				3.0000E-08
Basis for Uncertainty: See additional information Physical Form: Unknown											
TH-230	T	3.140E-08	Ci	1995	1995	N	N				3.0000E-08
Basis for Uncertainty: See additional information Physical Form: Unknown											
TH-232	T	3.310E-08	Ci	1995	1995	N	N				3.0000E-08
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-234	T	1.550E-07	Ci	1995	1995	N	N				1.5000E-07
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-235	T	1.192E-07	Ci	1995	1995	N	N				1.1000E-07
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-236	T	1.000E-11	Ci	1995	1995	N	N				
Basis for Uncertainty: See additional information Physical Form: Unknown											

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PART D - RADIOLOGICAL CONTAMINANTS

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Waste Stream: TAN-GWT-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
U-238	T	5.350E-09	Ci	1995	1995	N	N				
Basis for Uncertainty: See additional information Physical Form: Unknown											
AG-110M	T	1.530E-03	Ci	1998	1998	N	N				9.1800E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
AM-241	T	1.670E-04	Ci	1998	1998	N	N				1.0020E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
C-14	T	2.858E-07	Ci	1998	1998	N	N				1.7100E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											
CE-144	T	2.797E-03	Ci	1998	1998	N	N				1.6783E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
CM-244	T	3.690E-05	Ci	1998	1998	N	N				2.2140E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: TAN-GWT-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
CO-58	T	2.371E-04	Ci	1998	1998	N	N				1.4227E-03
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
CO-60	T	1.520E-03	Ci	1998	1998	N	N				3.0400E-03
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
CR-51	T	1.111E-04	Ci	1998	1998	N	N				6.6667E-04
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
CS-134	T	2.580E-04	Ci	1998	1998	N	N				1.5478E-03
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
CS-137	T	7.770E-02	Ci	1998	1998	N	N				1.5540E-01
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
EU-152	T	1.523E-04	Ci	1998	1998	N	N				9.1375E-04
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											

Waste Stream: TAN-GWT-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
EU-154	T	1.530E-03	Ci	1998	1998	N	N				9.1800E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
EU-155	T	1.630E-04	Ci	1998	1998	N	N				9.7800E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
FB-55	T	1.220E-04	Ci	1998	1998	N	N				2.4400E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
H-3	T	4.130E-03	Ci	1998	1998	N	N				2.4780E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
I-129	T	5.252E-07	Ci	1998	1998	N	N				3.1500E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											
MN-54	T	3.906E-06	Ci	1998	1998	N	N				2.3430E-05
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: TAN-GWT-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
NB-94	T	8.147E-08	Ci	1998	1998	N	N				4.8000E-07
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
NI-59	T	2.295E-06	Ci	1998	1998	N	N				1.3770E-05
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
NI-63	T	1.710E-03	Ci	1998	1998	N	N				3.4200E-03
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
PU-238	T	7.400E-04	Ci	1998	1998	N	N				4.4400E-03
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
PU-240	T	7.150E-05	Ci	1998	1998	N	N				4.2900E-04
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
PU-241	T	9.720E-04	Ci	1998	1998	N	N				5.8320E-03
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											

Waste Stream: TAN-GWT-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
RA-226	T	5.050E-03	Ci	1998	1998	N	N				5.0500E-03
						Basis for Uncertainty: See additional information Physical Form: Unknown					
RU-106	T	4.499E-05	Ci	1998	1998	N	N				2.6992E-04
						Basis for Uncertainty: See additional information Physical Form: Unknown					
SB-125	T	2.789E-03	Ci	1998	1998	N	N				1.6736E-02
						Basis for Uncertainty: See additional information Physical Form: Unknown					
SR-90	T	2.130E-01	Ci	1998	1998	N	N				1.2780E+00
						Basis for Uncertainty: See additional information Physical Form: Unknown					
TC-99	T	5.510E-05	Ci	1998	1998	N	N				3.3060E-04
						Basis for Uncertainty: See additional information Physical Form: Unknown					
TH-228	T	2.630E-04	Ci	1998	1998	N	N				2.6300E-04
						Basis for Uncertainty: See additional information Physical Form: Unknown					

Waste Stream: TAN-GWT-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
U-234	T	6.330E-03	Ci	1998	1998	N	N				6.3300E-03
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
U-235	T	3.080E-04	Ci	1998	1998	N	N				3.0800E-04
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
ZR-95	T	1.430E-04	Ci	1998	1998	N	N				8.5800E-04
Basis for Uncertainty: See additional information											
Physical Form: Unknown											

Footnotes:

- \* and standard deviation in the next column. If not, mark N and give minimum value and maximum value.es in the next column
- \*\* For the projected waste streams, mark Y if forecast document was used. If not, mark N. This column is not used for the recent or historical waste streams.

PART A - GENERAL INFORMATION

(1) Preparer: ML (2) Date Prepared: 02/13/01  
 (3,4,5,6) Waste Stream: TAN-HGR-1 Soil from Hg Retort project.  
 (7) Type of Radioactive Waste: Low level | Non-radioactive | Transuranic or suspect transuranic: L  
 (8) Actual years disposed of at SDA: Starting year: 1999 Ending year: 1999 Annual or Total over all years: T  
 (9) Waste stream volume: 36.24500 Units\*: M Container or Waste volume: C  
 (10) Comments:

PART B - WASTE STREAM CHARACTERISTICS

(1) General physical form: 43  
 (2) Details on physical form:  
 (3) Chemical form:  
 (4) Inner packaging: Plastic Bag | Plastic Liner | Metal Liner | None | Other | Unknown:  
 (5) Waste container type: CW  
 (6) Other characteristics of interest:  
 (7) Comments:

PART C - NONRADIOLOGICAL CONTAMINANTS - Additional information or explanations:

PART D - RADIOLOGICAL CONTAMINANTS - Additional information or explanations:

Basis for uncertainty is discussed in TAN section of document text.

PART E - SOURCES OF INFORMATION AND UNCERTAINTIES

Type of source information:	Generator forecasts	Reports
X RWMIS	Other database	Interview
Sample analysis data	Expert judgment	Operating records
	Other:	

Details concerning source:  
 Do the estimates of contaminant quantities represent: Best estimate | Worst case | Other: B

If other than best estimate, why?:

Do the data conflict with RWMIS?: Y Scaling factors were applied where appropriate as explained in text document.  
 Major unknowns in inventories of contaminants:  
 Key assumptions used to deal with the unknowns:

CONTINUATION

Continuation of Part: Column or Question Number or Title:

Footnotes:

\* Units: cubic feet (FT) | gallons (GL) | grams (GM) | pounds (LB) | cubic meters (M) | unknown (U)

Waste Stream: TAN-HGR-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
AG-110M	T	2.857E-06	Ci	1999	1999	N	N			1.7140E-05	
						Basis for Uncertainty: See additional information Physical Form: Unknown					
CE-144	T	3.795E-06	Ci	1999	1999	N	N			2.2770E-05	
						Basis for Uncertainty: See additional information Physical Form: Unknown					
CS-134	T	3.500E-07	Ci	1999	1999	N	N			2.1000E-06	
						Basis for Uncertainty: See additional information Physical Form: Unknown					
CS-137	T	1.054E-04	Ci	1999	1999	N	N			2.1084E-04	
						Basis for Uncertainty: See additional information Physical Form: Unknown					
EU-152	T	2.066E-07	Ci	1999	1999	N	N			1.2300E-06	
						Basis for Uncertainty: See additional information Physical Form: Unknown					
EU-154	T	7.738E-07	Ci	1999	1999	N	N			4.6400E-06	
						Basis for Uncertainty: See additional information Physical Form: Unknown					

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PART D - RADIOLOGICAL CONTAMINANTS

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Waste Stream: TAN-HGR-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Waste Gen. Forecast used? Y/N**	Num. of Samples	Std Dev	Minimum Value	Maximum Value
EU-155	T	2.488E-08	Ci	1999	1999	N	N				1.4000E-07
Basis for Uncertainty: See additional information Physical Form: Unknown											
I-129	T	7.100E-10	Ci	1999	1999	N	N				
Basis for Uncertainty: See additional information Physical Form: Unknown											
RU-106	T	6.104E-08	Ci	1999	1999	N	N				3.6000E-07
Basis for Uncertainty: See additional information Physical Form: Unknown											
SB-125	T	3.785E-06	Ci	1999	1999	N	N				2.2700E-05
Basis for Uncertainty: See additional information Physical Form: Unknown											
SR-90	T	2.313E-04	Ci	1999	1999	N	N				1.3880E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-235	T	2.941E-06	Ci	1999	1999	N	N				2.9400E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											

Footnotes:

- \* and standard deviation in the next column. If not, mark N and give minimum value and maximum values in the next column
- \*\* For the projected waste streams, mark Y if forecast document was used. If not, mark N. This column is not used for the recent or historical waste streams.

PART A - GENERAL INFORMATION

(1) Preparer: ML (2) Date Prepared: 02/13/01  
 (3,4,5,6) Waste Stream: TAN-HGR-1 Soil from Hg Retort project.  
 (7) Type of Radioactive Waste: Low level | Non-radioactive | Transuranic or suspect transuranic: L  
 (8) Actual Years disposed of at SDA: Starting year: 1999 Ending Year: 1999 Annual or Total over all years: T  
 (9) Waste stream volume: 36.24500 Units\*: M Container or Waste volume: C  
 (10) Comments:

PART B - WASTE STREAM CHARACTERISTICS

(1) General physical form: 43  
 (2) Details on physical form:  
 (3) Chemical form:  
 (4) Inner packaging: Plastic Bag | Plastic Liner | Metal Liner | NOne | Other | Unknown:  
 (5) Waste container type: CW  
 (6) Other characteristics of interest:  
 (7) Comments:

PART C - NONRADIOLOGICAL CONTAMINANTS - Additional information or explanations:

PART D - RADIOLOGICAL CONTAMINANTS - Additional information or explanations:

Basis for uncertainty is discussed in TAN section of document text.

PART E - SOURCES OF INFORMATION AND UNCERTAINTIES

Type of source information:	Generator forecasts	Reports
X RWMIS	Other database	Interview
Sample analysis data	Expert judgment	Operating records
	Other:	

Details concerning source:  
 Do the estimates of contaminant quantities represent: Best estimate | Worst case | Other: B

If other than best estimate, why?:

Do the data conflict with RWMIS?: Y Scaling factors were applied where appropriate as explained in text document.  
 Major unknowns in inventories of contaminants:  
 Key assumptions used to deal with the unknowns:

CONTINUATION

Continuation of Part: Column or Question Number or Title:

Footnotes:

\* Units: cubic feet (FT) | gallons (GL) | grams (GM) | pounds (LB) | cubic meters (M) | unknown (U)

Waste Stream: TAN-PCS-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
AG-110M	T	0.000E+00	Ci	1998	1998	N	N				
Basis for Uncertainty: See additional information Physical Form: Unknown											
BA-137M	T	0.000E+00	Ci	1998	1998	N	N				
Basis for Uncertainty: See additional information Physical Form: Unknown											
CE-144	T	0.000E+00	Ci	1998	1998	N	N				
Basis for Uncertainty: See additional information Physical Form: Unknown											
CS-134	T	0.000E+00	Ci	1998	1998	N	N				
Basis for Uncertainty: See additional information Physical Form: Unknown											
CS-137	T	0.000E+00	Ci	1998	1998	N	N				
Basis for Uncertainty: See additional information Physical Form: Unknown											
EU-152	T	0.000E+00	Ci	1998	1998	N	N				
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: TAN-PCS-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
EU-154	T	0.000E+00	Ci	1998	1998	N	N				
Basis for Uncertainty: See additional information Physical Form: Unknown											
EU-155	T	0.000E+00	Ci	1998	1998	N	N				
Basis for Uncertainty: See additional information Physical Form: Unknown											
I-129	T	0.000E+00	Ci	1998	1998	N	N				
Basis for Uncertainty: See additional information Physical Form: Unknown											
PM-147	T	0.000E+00	Ci	1998	1998	N	N				
Basis for Uncertainty: See additional information Physical Form: Unknown											
RU-106	T	0.000E+00	Ci	1998	1998	N	N				
Basis for Uncertainty: See additional information Physical Form: Unknown											
SB-125	T	0.000E+00	Ci	1998	1998	N	N				
Basis for Uncertainty: See additional information Physical Form: Unknown											

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PART D - RADIOLOGICAL CONTAMINANTS

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Waste Stream: TAN-PCS-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
SR-90	T	0.000E+00	Ci	1998	1998	N	N				

Basis for Uncertainty: See additional information  
 Physical Form: Unknown  
 Chemical Form: Unknown

Footnotes:

- \* and standard deviation in the next column. If not, mark N and give minimum value and maximum values in the next column
- \*\* For the projected waste streams, mark Y if forecast document was used. If not, mark N. This column is not used for the recent or historical waste streams.

PART A - GENERAL INFORMATION

(1) Preparer: ML (2) Date Prepared: 02/13/01  
 (3,4,5,6) Waste Stream: TAN-PWR-1 Non-fuel bearing components -- pressure water reactor.  
 (7) Type of Radioactive Waste: Low level | Non-radioactive | Transuranic or suspect transuranic: L  
 (8) Actual years disposed of at SDA: Starting year: 1995 Ending year: 1996 Annual or Total over all years: T  
 (9) Waste stream volume: 3.10000 Units\*: M Container or Waste volume: C  
 (10) Comments:

PART B - WASTE STREAM CHARACTERISTICS

(1) General physical form: 5  
 (2) Details on physical form:  
 (3) Chemical form:  
 (4) Inner packaging: Plastic Bag | Plastic Liner | Metal Liner | NONE | Other | Unknown: U Unknown. See comments.  
 (5) Waste container type: BLM  
 (6) Other characteristics of interest:  
 (7) Comments: 4. Plastic liners may or may not have been used at the discretion of the generator.

PART C - NONRADIOLOGICAL CONTAMINANTS - Additional information or explanations:

PART D - RADIOLOGICAL CONTAMINANTS - Additional information or explanations:

Basis for uncertainty is discussed in TAN section of document text.

PART E - SOURCES OF INFORMATION AND UNCERTAINTIES

Type of source information:	Generator forecasts	Reports
X RWMIS	Other database	Interview
Sample analysis data	Expert judgment	Operating records
	Other:	

Details concerning source:  
 Do the estimates of contaminant quantities represent: Best estimate | Worst case | Other: B  
 If other than best estimate, why?:

Do the data conflict with RWMIS?: Y Scaling factors were applied where appropriate as explained in text document.  
 Major unknowns in inventories of contaminants:  
 Key assumptions used to deal with the unknowns:

CONTINUATION

Continuation of Part: Column or Question Number or Title:

Footnotes:

\* Units: cubic feet (FT) | gallons (GL) | grams (GM) | pounds (LB) | cubic meters (M) | unknown (U)

Waste Stream: TAN-PWR-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
AG-110M	T	1.753E-03	Ci	1995	1995	N	N				1.0520E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
AM-241	T	1.660E-06	Ci	1995	1995	N	N				9.9600E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											
C-14	T	1.840E-04	Ci	1995	1995	N	N				1.1040E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
CE-144	T	2.329E-03	Ci	1995	1995	N	N				1.3975E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
CM-242	T	3.120E-07	Ci	1995	1995	N	N				1.8700E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											
CM-244	T	7.879E-08	Ci	1995	1995	N	N				4.7000E-07
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: TAN-PWR-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
CO-58	T	3.760E+00	Ci	1995	1995	N	N				2.2558E+01
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
CO-60	T	2.410E+01	Ci	1995	1995	N	N				4.8200E+01
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
CR-51	T	1.762E+00	Ci	1995	1995	N	N				1.0570E+01
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
CS-134	T	2.148E-04	Ci	1995	1995	N	N				1.2888E-03
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
CS-137	T	6.470E-02	Ci	1995	1995	N	N				1.2940E-01
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
EU-152	T	1.268E-04	Ci	1995	1995	N	N				7.6087E-04
Basis for Uncertainty: See additional information											
Physical Form: Unknown											

Waste Stream: TAN-FWR-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
EU-154	T	4.749E-04	Ci	1995	1995	N	N				2.8494E-03
						Basis for Uncertainty: See additional information Physical Form: Unknown					
EU-155	T	1.527E-05	Ci	1995	1995	N	N				9.1610E-05
						Basis for Uncertainty: See additional information Physical Form: Unknown					
FE-55	T	3.350E+01	Ci	1995	1995	N	N				6.6998E+01
						Basis for Uncertainty: See additional information Physical Form: Unknown					
H-3	T	1.323E+01	Ci	1995	1995	N	N				7.9385E+01
						Basis for Uncertainty: See additional information Physical Form: Unknown					
I-129	T	8.210E-09	Ci	1995	1995	N	N				4.0000E-08
						Basis for Uncertainty: See additional information Physical Form: Unknown					
MN-54	T	6.194E-02	Ci	1995	1995	N	N				3.7162E-01
						Basis for Uncertainty: See additional information Physical Form: Unknown					

Waste Stream: TAN-PWR-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
NB-94	T	1.400E-05	Ci	1995	1995	N	N				8.4000E-05
Basis for Uncertainty: See additional information Physical Form: Unknown											
NI-59	T	4.270E-02	Ci	1995	1995	N	N				2.5620E-01
Basis for Uncertainty: See additional information Physical Form: Unknown											
NI-63	T	4.270E-02	Ci	1995	1995	N	N				8.5400E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
PU-238	T	7.590E-07	Ci	1995	1995	N	N				4.5500E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											
PU-239	T	5.510E-07	Ci	1995	1995	N	N				3.3000E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											
PU-240	T	7.604E-07	Ci	1995	1995	N	N				4.5600E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: TAN-PWR-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
PU-241	T	7.280E-04	Ci	1995	1995	N	N			4.3680E-03	
						Basis for Uncertainty: See additional information Physical Form: Unknown					
RU-106	T	3.746E-05	Ci	1995	1995	N	N			2.2476E-04	
						Basis for Uncertainty: See additional information Physical Form: Unknown					
SB-125	T	2.323E-03	Ci	1995	1995	N	N			1.3936E-02	
						Basis for Uncertainty: See additional information Physical Form: Unknown					
SR-90	T	9.080E-05	Ci	1995	1995	N	N			5.4480E-04	
						Basis for Uncertainty: See additional information Physical Form: Unknown					
TC-99	T	3.230E-06	Ci	1995	1995	N	N			1.9380E-05	
						Basis for Uncertainty: See additional information Physical Form: Unknown					
TH-228	T	1.388E-07	Ci	1995	1995	N	N			1.3000E-07	
						Basis for Uncertainty: See additional information Physical Form: Unknown					

Waste Stream: TAN-PWR-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Waste Gen. Forecast used? Y/N**	Num. of Samples	Std Dev	Minimum Value	Maximum Value
TH-230	T	4.485E-08	Ci	1995	1995	N	N				4.0000E-08
Basis for Uncertainty: See additional information Physical Form: Unknown											
TH-232	T	2.705E-07	Ci	1995	1995	N	N				2.7000E-07
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-234	T	3.504E-05	Ci	1995	1995	N	N				3.5040E-05
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-235	T	8.816E-07	Ci	1995	1995	N	N				8.8000E-07
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-236	T	6.000E-11	Ci	1995	1995	N	N				
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-238	T	1.504E-05	Ci	1995	1995	N	N				1.5040E-05
Basis for Uncertainty: See additional information Physical Form: Unknown											

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PART D - RADIOLOGICAL CONTAMINANTS

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Waste Stream: TAN-PWR-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
Y-90	T	9.080E-05	Ci	1995	1995	N	N				5.4480E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
AG-110M	T	1.642E-02	Ci	1996	1996	N	N				9.8552E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
AM-241	T	1.310E-05	Ci	1996	1996	N	N				7.8600E-05
Basis for Uncertainty: See additional information Physical Form: Unknown											
C-14	T	9.967E-04	Ci	1996	1996	N	N				5.9802E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
CE-144	T	2.182E-02	Ci	1996	1996	N	N				1.3092E-01
Basis for Uncertainty: See additional information Physical Form: Unknown											
CM-242	T	2.455E-06	Ci	1996	1996	N	N				1.4720E-05
Basis for Uncertainty: See additional information Physical Form: Unknown											

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PART D - RADIOLOGICAL CONTAMINANTS

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Waste Stream: TAN-FWR-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
CM-244	T	6.554E-07	Ci	1996	1996	N	N				3.9300E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											
CO-58	T	2.083E+01	Ci	1996	1996	N	N				1.2497E+02
Basis for Uncertainty: See additional information Physical Form: Unknown											
CO-60	T	1.335E+02	Ci	1996	1996	N	N				2.6704E+02
Basis for Uncertainty: See additional information Physical Form: Unknown											
CR-51	T	9.760E+00	Ci	1996	1996	N	N				5.8562E+01
Basis for Uncertainty: See additional information Physical Form: Unknown											
CS-134	T	2.012E-03	Ci	1996	1996	N	N				1.2074E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
CS-137	T	6.061E-01	Ci	1996	1996	N	N				1.2122E+00
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: TAN-PWR-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
EU-152	T	1.188E-03	Ci	1996	1996	N	N				7.1277E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
EU-154	T	4.449E-03	Ci	1996	1996	N	N				2.6693E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
EU-155	T	1.430E-04	Ci	1996	1996	N	N				8.5823E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
FE-55	T	1.856E+02	Ci	1996	1996	N	N				3.7118E+02
Basis for Uncertainty: See additional information Physical Form: Unknown											
H-3	T	7.330E+01	Ci	1996	1996	N	N				4.3981E+02
Basis for Uncertainty: See additional information Physical Form: Unknown											
I-129	T	9.351E-08	Ci	1996	1996	N	N				5.6000E-07
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: TAN-PWR-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
MN-54	T	3.431E-01	Ci	1996	1996	N	N				2.0589E+00
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
NB-94	T	1.307E-02	Ci	1996	1996	N	N				7.8405E-02
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
NI-59	T	2.261E-01	Ci	1996	1996	N	N				1.3566E+00
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
NI-63	T	2.261E+01	Ci	1996	1996	N	N				4.5220E+01
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
PU-238	T	5.974E-06	Ci	1996	1996	N	N				3.5840E-05
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											
PU-239	T	4.583E-06	Ci	1996	1996	N	N				2.7490E-05
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
Chemical Form: Unknown											

Waste Stream: TAN-PWR-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
PU-240	T	6.324E-06	Ci	1996	1996	N	N				3.7940E-05
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
PU-241	T	5.728E-03	Ci	1996	1996	N	N				3.4371E-02
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
RU-106	T	3.509E-04	Ci	1996	1996	N	N				2.1056E-03
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
SB-125	T	2.176E-02	Ci	1996	1996	N	N				1.3055E-01
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
SR-90	T	1.178E-03	Ci	1996	1996	N	N				7.0674E-03
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
TC-99	T	3.032E-05	Ci	1996	1996	N	N				1.8192E-04
Basis for Uncertainty: See additional information											
Physical Form: Unknown											

Waste Stream: TAN-PWR-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
TH-228	T	1.155E-06	Ci	1996	1996	N	N				1.1500E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											
TH-230	T	3.731E-07	Ci	1996	1996	N	N				3.7000E-07
Basis for Uncertainty: See additional information Physical Form: Unknown											
TH-232	T	2.250E-06	Ci	1996	1996	N	N				2.2500E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-234	T	2.915E-04	Ci	1996	1996	N	N				2.9147E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-235	T	7.333E-06	Ci	1996	1996	N	N				7.3300E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-236	T	4.900E-10	Ci	1996	1996	N	N				
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: TAN-PWR-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
U-238	T	1.251E-04	Ci	1996	1996	N	N				1.2511E-04
Y-90	T	1.178E-03	Ci	1996	1996	N	N				7.0674E-03

Basis for Uncertainty: See additional information  
Physical Form: Unknown

Chemical Form: Unknown

Basis for Uncertainty: See additional information  
Physical Form: Unknown

Chemical Form: Unknown

Footnotes:

- \* and standard deviation in the next column. If not, mark N and give minimum value and maximum value.es in the next column
- \*\* For the projected waste streams, mark Y if forecast document was used. If not, mark N. This column is not used for the recent or historical waste streams.

## PART A - GENERAL INFORMATION

(1) Preparer: ML (2) Date Prepared: 02/13/01  
 (3,4,5,6) Waste Stream: TAN-TAN-1 LL wood & metal from TAN to direct disposal.  
 (7) Type of Radioactive Waste: Low level | Non-radioactive | Transuranic or suspect transuranic: L  
 (8) Actual years disposed of at SDA: Starting year: 1998 Ending year: 1998 Annual or Total over all years: T  
 (9) Waste stream volume: 99.60200 Units\*: M Container or Waste volume: C  
 (10) Comments:

## PART B - WASTE STREAM CHARACTERISTICS

(1) General physical form: 21 53, wood PL  
 (2) Details on physical form:  
 (3) Chemical form:  
 (4) Inner packaging: Plastic Bag | Plastic Liner | Metal Liner | None | Other | Unknown: PL  
 (5) Waste container type: CW  
 (6) Other characteristics of interest:  
 (7) Comments:

## PART C - NONRADIOLOGICAL CONTAMINANTS - Additional information or explanations:

## PART D - RADIOLOGICAL CONTAMINANTS - Additional information or explanations:

Basis for uncertainty is discussed in TAN section of document text.

PART E - SOURCES OF INFORMATION AND UNCERTAINTIES

Type of source information:	Generator forecasts	Reports
X RWMIS	Other database	Interview
Sample analysis data	Expert judgment	Operating records
	Other:	

Details concerning source:  
 Do the estimates of contaminant quantities represent: Best estimate | Worst case | Other: B  
 If other than best estimate, why?:

Do the data conflict with RWMIS?: Y Scaling factors were applied where appropriate as explained in text document.  
 Major unknowns in inventories of contaminants:  
 Key assumptions used to deal with the unknowns:

CONTINUATION

Continuation of Part: Column or Question Number or Title:

Footnotes:

\* Units: cubic feet (FT) | gallons (GL) | grams (GM) | pounds (LB) | cubic meters (M) | unknown (U)

Waste Stream: TAN-TAN-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
AG-110M	T	8.690E-03	Ci	1998	1998	N	N				5.2142E-02
						Basis for Uncertainty: See additional information Physical Form: Unknown					
AM-241	T	2.140E-06	Ci	1998	1998	N	N				1.2840E-05
						Basis for Uncertainty: See additional information Physical Form: Unknown					
BA-137M	T	9.860E-04	Ci	1998	1998	N	N				5.9161E-03
						Basis for Uncertainty: See additional information Physical Form: Unknown					
C-14	T	1.348E-06	Ci	1998	1998	N	N				8.0800E-06
						Basis for Uncertainty: See additional information Physical Form: Unknown					
CE-144	T	1.154E-02	Ci	1998	1998	N	N				6.9266E-02
						Basis for Uncertainty: See additional information Physical Form: Unknown					
CM-242	T	1.499E-06	Ci	1998	1998	N	N				8.9900E-06
						Basis for Uncertainty: See additional information Physical Form: Unknown					

Waste Stream: TAN-TAN-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
CM-244	T	4.253E-07	Ci	1998	1998	N	N				2.5500E-06
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
CO-58	T	1.118E-03	Ci	1998	1998	N	N				6.7097E-03
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
CO-60	T	7.168E-03	Ci	1998	1998	N	N				1.4337E-02
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
CR-51	T	5.240E-04	Ci	1998	1998	N	N				3.1441E-03
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
CS-134	T	1.064E-03	Ci	1998	1998	N	N				6.3869E-03
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
CS-137	T	3.207E-01	Ci	1998	1998	N	N				6.4135E-01
Basis for Uncertainty: See additional information											
Physical Form: Unknown											

Waste Stream: TAN-TAN-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
EU-152	T	6.285E-04	Ci	1998	1998	N	N				3.7712E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
EU-154	T	2.352E-03	Ci	1998	1998	N	N				1.4111E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
EU-155	T	7.568E-05	Ci	1998	1998	N	N				4.5407E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
FE-55	T	9.128E-03	Ci	1998	1998	N	N				1.8256E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
H-3	T	2.235E-03	Ci	1998	1998	N	N				1.3409E-02
Basis for Uncertainty: See additional information Physical Form: Unknown											
I-129	T	2.168E-06	Ci	1998	1998	N	N				1.3000E-05
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: TAN-TAN-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
K-40	T	2.898E-05	Ci	1998	1998	N	N			1.7387E-04	
Basis for Uncertainty: See additional information Physical Form: Unknown											
MN-54	T	1.842E-05	Ci	1998	1998	N	N			1.1053E-04	
Basis for Uncertainty: See additional information Physical Form: Unknown											
NB-94	T	3.842E-07	Ci	1998	1998	N	N			2.3000E-06	
Basis for Uncertainty: See additional information Physical Form: Unknown											
NI-59	T	1.082E-05	Ci	1998	1998	N	N			6.4940E-05	
Basis for Uncertainty: See additional information Physical Form: Unknown											
NI-63	T	5.343E-01	Ci	1998	1998	N	N			1.0687E+00	
Basis for Uncertainty: See additional information Physical Form: Unknown											
PU-238	T	3.462E-06	Ci	1998	1998	N	N			2.0770E-05	
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: TAN-TAN-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Num. of Samples Y/N*	Std Dev	Minimum Value	Maximum Value
PU-239	T	2.974E-06	Ci	1998	1998	N	N			1.7840E-05
Basis for Uncertainty: See additional information										
Physical Form: Unknown										
PU-240	T	4.236E-06	Ci	1998	1998	N	N			2.5410E-05
Basis for Uncertainty: See additional information										
Physical Form: Unknown										
PU-241	T	2.067E-03	Ci	1998	1998	N	N			1.2402E-02
Basis for Uncertainty: See additional information										
Physical Form: Unknown										
RU-106	T	1.857E-04	Ci	1998	1998	N	N			1.1140E-03
Basis for Uncertainty: See additional information										
Physical Form: Unknown										
SB-125	T	1.150E-02	Ci	1998	1998	N	N			6.8971E-02
Basis for Uncertainty: See additional information										
Physical Form: Unknown										
SR-90	T	3.204E-02	Ci	1998	1998	N	N			1.9223E-01
Basis for Uncertainty: See additional information										
Physical Form: Unknown										

Waste Stream: TAN-TAN-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
TC-99	T	1.570E-05	Ci	1998	1998	N	N				9.4190E-05
Basis for Uncertainty: See additional information Physical Form: Unknown											
TH-228	T	2.873E-07	Ci	1998	1998	N	N				2.8000E-07
Basis for Uncertainty: See additional information Physical Form: Unknown											
TH-230	T	2.287E-08	Ci	1998	1998	N	N				2.0000E-08
Basis for Uncertainty: See additional information Physical Form: Unknown											
TH-232	T	1.781E-03	Ci	1998	1998	N	N				1.7814E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-234	T	2.554E-06	Ci	1998	1998	N	N				2.5500E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-235	T	4.758E-06	Ci	1998	1998	N	N				4.7500E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: TAN-TAN-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
U-236	T	3.200E-10	Ci	1998	1998	N	N				
Basis for Uncertainty: See additional information Physical Form: Unknown											
U-238	T	8.010E-05	Ci	1998	1998	N	N				8.0090E-05
Basis for Uncertainty: See additional information Physical Form: Unknown											
Y-90	T	3.113E-02	Ci	1998	1998	N	N				1.8678E-01
Basis for Uncertainty: See additional information Physical Form: Unknown											

Footnotes:

- \* and standard deviation in the next column. If not, mark N and give minimum value and maximum value.es in the next column
- \*\* For the projected waste streams, mark Y if forecast document was used. If not, mark N. This column is not used for the recent or historical waste streams.

## PART A - GENERAL INFORMATION

(1) Preparer: ML (2) Date Prepared: 02/13/01  
 (3,4,5,6) Waste Stream: TAN-TSF-1 Sludge (sanitary sludge from Tech Support Facility).  
 (7) Type of Radioactive Waste: Low level | Non-radioactive | Transuranic or suspect transuranic: L  
 (8) Actual years disposed of at SDA: Starting year: 1994 Ending year: 1994 Annual or Total over all years: T  
 (9) Waste stream volume: 5.60000 Units\*: M Container or Waste volume: C  
 (10) Comments:

## PART B - WASTE STREAM CHARACTERISTICS

(1) General physical form: 11  
 (2) Details on physical form:  
 (3) Chemical form:  
 (4) Inner packaging: Plastic Bag | Plastic Liner | Metal Liner | None | Other | Unknown: PL  
 (5) Waste container type: RDL  
 (6) Other characteristics of interest:  
 (7) Comments: Waste container type also: PB3.

## PART C - NONRADIOLOGICAL CONTAMINANTS - Additional information or explanations:

## PART D - RADIOLOGICAL CONTAMINANTS - Additional information or explanations:

Basis for uncertainty is discussed in TAN section of document text.

PART E - SOURCES OF INFORMATION AND UNCERTAINTIES

Type of source information:  
 X RWMIS                    Generator forecasts                    Reports  
                                  Other database                    Interview  
                                  Sample analysis data                    Operating records  
                                  Expert judgment  
                                  Other:

Details concerning source:  
 Do the estimates of contaminant quantities represent: Best estimate | Worst case | Other:                    B

If other than best estimate, why?:

Do the data conflict with RWMIS?: Y    Scaling factors were applied where appropriate as explained in text document.  
 Major unknowns in inventories of contaminants:  
 Key assumptions used to deal with the unknowns:

CONTINUATION

Continuation of Part:                    Column or Question Number or Title:

Footnotes:

\*    Units: cubic feet (FT) | gallons (GL) | grams (GM) | pounds (LB) | cubic meters (M) | unknown (U)

Waste Stream: TAN-TSF-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
AG-110M	T	2.013E-05	Ci	1994	1994	N	N			1.2077E-04	
Basis for Uncertainty: See additional information Physical Form: Unknown											
C-14	T	1.130E-07	Ci	1994	1994	N	N			6.7000E-07	
Basis for Uncertainty: See additional information Physical Form: Unknown											
CE-144	T	2.674E-05	Ci	1994	1994	N	N			1.6043E-04	
Basis for Uncertainty: See additional information Physical Form: Unknown											
CO-58	T	9.380E-05	Ci	1994	1994	N	N			5.6281E-04	
Basis for Uncertainty: See additional information Physical Form: Unknown											
CO-60	T	6.013E-04	Ci	1994	1994	N	N			1.2026E-03	
Basis for Uncertainty: See additional information Physical Form: Unknown											
CR-51	T	4.396E-05	Ci	1994	1994	N	N			2.6373E-04	
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: TAN-TSP-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
CS-134	T	2.466E-06	Ci	1994	1994	N	N				1.4790E-05
Basis for Uncertainty: See additional information Physical Form: Unknown											
CS-137	T	7.428E-04	Ci	1994	1994	N	N				1.4855E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
EU-152	T	1.456E-06	Ci	1994	1994	N	N				8.7300E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											
EU-154	T	5.452E-06	Ci	1994	1994	N	N				3.2710E-05
Basis for Uncertainty: See additional information Physical Form: Unknown											
EU-155	T	1.753E-07	Ci	1994	1994	N	N				1.0500E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											
FE-55	T	8.358E-04	Ci	1994	1994	N	N				1.6716E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: TAN-TSF-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
H-3	T	3.301E-04	Ci	1994	1994	N	N				1.9807E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
I-129	T	5.020E-09	Ci	1994	1994	N	N				3.0000E-08
Basis for Uncertainty: See additional information Physical Form: Unknown											
MN-54	T	1.545E-06	Ci	1994	1994	N	N				9.2700E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											
NB-94	T	3.223E-08	Ci	1994	1994	N	N				1.9000E-07
Basis for Uncertainty: See additional information Physical Form: Unknown											
NI-59	T	9.080E-07	Ci	1994	1994	N	N				5.4400E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											
NI-63	T	7.636E-04	Ci	1994	1994	N	N				1.5273E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											

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PART D - RADIOLOGICAL CONTAMINANTS

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Waste Stream: TAN-TSF-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
RU-106	T	4.301E-07	Ci	1994	1994	N	N				2.5800E-06
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
SB-125	T	2.666E-05	Ci	1994	1994	N	N				1.5999E-04
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
SR-90	T	2.860E-03	Ci	1994	1994	N	N				1.7162E-02
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
TC-99	T	1.317E-06	Ci	1994	1994	N	N				7.9000E-06
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
TH-234	T	1.014E-03	Ci	1994	1994	N	N				1.0140E-03
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
U-234	T	3.160E-02	Ci	1994	1994	N	N				3.1600E-02
Basis for Uncertainty: See additional information											
Physical Form: Unknown											

Waste Stream: TAN-TSP-1

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
U-235	T	1.014E-03	Ci	1994	1994	N	N	1		1.0140E-03	

Basis for Uncertainty: See additional information  
 Physical Form: Unknown  
 Chemical Form: Unknown

Footnotes:

- \* and standard deviation in the next column. If not, mark N and give minimum value and maximum values in the next column
- \*\* For the projected waste streams, mark Y if forecast document was used. If not, mark N. This column is not used for the recent or historical waste streams.

## PART A - GENERAL INFORMATION

(1) Preparer: ML (2) Date Prepared: 02/13/01  
 (3,4,5,6) Waste Stream: TAN-TSF-2 Wood, metal -- steel, carbon, concrete structural components.  
 (7) Type of Radioactive Waste: Low level | Non-radioactive | Transuranic or suspect transuranic: L  
 (8) Actual years disposed of at SDA: Starting year: 1994 Ending year: 1994 Annual or Total over all years: T  
 (9) Waste stream volume: 21.70000 Units\*: M Container or Waste volume: C  
 (10) Comments:

## PART B - WASTE STREAM CHARACTERISTICS

(1) General physical form: 10 41  
 (2) Details on physical form:  
 (3) Chemical form:  
 (4) Inner packaging: Plastic Bag | Plastic Liner | Metal Liner | None | Other | Unknown: PL  
 (5) Waste container type: EXW  
 (6) Other characteristics of interest:  
 (7) Comments:

## PART C - NONRADIOLOGICAL CONTAMINANTS - Additional information or explanations:

## PART D - RADIOLOGICAL CONTAMINANTS - Additional information or explanations:

Basis for uncertainty is discussed in TAN section of document text.

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PART E - SOURCES OF INFORMATION AND UNCERTAINTIES

Type of source information:	Generator forecasts	Reports
X RWMIS	Other database	Interview
Sample analysis data	Expert judgment	Operating records
	Other:	

Details concerning source:  
 Do the estimates of contaminant quantities represent: Best estimate | Worst case | Other: B

If other than best estimate, why?:

Do the data conflict with RWMIS?: Y Scaling factors were applied where appropriate as explained in text document.  
 Major unknowns in inventories of contaminants:  
 Key assumptions used to deal with the unknowns:

CONTINUATION

Continuation of Part: Column or Question Number or Title:

Footnotes:

\* Units: cubic feet (FT) | gallons (GL) | grams (GM) | pounds (LB) | cubic meters (M) | unknown (U)

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PART D - RADIOLOGICAL CONTAMINANTS

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Waste Stream: TAN-TSF-2

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
AG-110M	T	7.211E-05	Ci	1994	1994	N	N				4.3267E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
AM-241	T	4.459E-06	Ci	1994	1994	N	N				2.6750E-05
Basis for Uncertainty: See additional information Physical Form: Unknown											
C-14	T	9.212E-08	Ci	1994	1994	N	N				5.5000E-07
Basis for Uncertainty: See additional information Physical Form: Unknown											
CE-144	T	9.580E-05	Ci	1994	1994	N	N				5.7477E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
CM-242	T	5.061E-07	Ci	1994	1994	N	N				3.0300E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											
CM-244	T	1.436E-07	Ci	1994	1994	N	N				8.6000E-07
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: TAN-TSF-2

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
CO-58	T	7.644E-05	Ci	1994	1994	N	N				4.5864E-04
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
CO-60	T	4.900E-04	Ci	1994	1994	N	N				9.8000E-04
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
CR-51	T	3.582E-05	Ci	1994	1994	N	N				2.1491E-04
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
CS-134	T	8.834E-06	Ci	1994	1994	N	N				5.3000E-05
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
CS-137	T	2.661E-03	Ci	1994	1994	N	N				5.3220E-03
Basis for Uncertainty: See additional information											
Physical Form: Unknown											
EU-152	T	5.216E-06	Ci	1994	1994	N	N				3.1290E-05
Basis for Uncertainty: See additional information											
Physical Form: Unknown											

Waste Stream: TAN-TSF-2

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
EU-154	T	1.953E-05	Ci	1994	1994	N	N				1.1719E-04
Basis for Uncertainty: See additional information Physical Form: Unknown											
EU-155	T	6.280E-07	Ci	1994	1994	N	N				3.7600E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											
FE-55	T	6.811E-04	Ci	1994	1994	N	N				1.3622E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
H-3	T	2.690E-04	Ci	1994	1994	N	N				1.6141E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
I-129	T	1.799E-08	Ci	1994	1994	N	N				1.0000E-07
Basis for Uncertainty: See additional information Physical Form: Unknown											
MN-54	T	1.259E-06	Ci	1994	1994	N	N				7.5500E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: TAN-TSF-2

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
NB-94	T	2.626E-08	Ci	1994	1994	N	N				1.5000E-07
Basis for Uncertainty: See additional information Physical Form: Unknown											
NI-59	T	7.399E-07	Ci	1994	1994	N	N				4.4300E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											
NI-63	T	6.223E-04	Ci	1994	1994	N	N				1.2446E-03
Basis for Uncertainty: See additional information Physical Form: Unknown											
PU-238	T	1.295E-06	Ci	1994	1994	N	N				7.7700E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											
PU-239	T	1.004E-06	Ci	1994	1994	N	N				6.0200E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											
PU-240	T	1.386E-06	Ci	1994	1994	N	N				8.3100E-06
Basis for Uncertainty: See additional information Physical Form: Unknown											

Waste Stream: TAN-TSF-2

Radio-nuclide	(A) Annual (T) Total	Quantity	Units	Begin Year	End Year	Waste Gen. Forecast used? Y/N**	Samples? Y/N*	Num. of Samples	Std Dev	Minimum Value	Maximum Value
PU-241	T	6.979E-04	Ci	1994	1994	N	N				4.1875E-03
						Basis for Uncertainty: See additional information Physical Form: Unknown					
RU-106	T	1.541E-06	Ci	1994	1994	N	N				9.2400E-06
						Basis for Uncertainty: See additional information Physical Form: Unknown					
SB-125	T	9.553E-05	Ci	1994	1994	N	N				5.7317E-04
						Basis for Uncertainty: See additional information Physical Form: Unknown					
SR-90	T	1.760E-02	Ci	1994	1994	N	N				1.0562E-01
						Basis for Uncertainty: See additional information Physical Form: Unknown					
TC-99	T	1.073E-06	Ci	1994	1994	N	N				6.4300E-06
						Basis for Uncertainty: See additional information Physical Form: Unknown					
TH-228	T	2.531E-07	Ci	1994	1994	N	N				2.5000E-07
						Basis for Uncertainty: See additional information Physical Form: Unknown					